

APPENDIX B
AVERAGE DAILY POWER LEVEL

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

| MAY 1983 | | | |
|----------|-------------------------------------|-----|-------------------------------------|
| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY | AVG. DAILY POWER LEVEL (MWE-NET) |
| 1 | -6 | 17 | -6 |
| 2 | -7 | 18 | -5 |
| 3 | -6 | 19 | -4 |
| 4 | -6 | 20 | -5 |
| 5 | -5 | 21 | -5 |
| 6 | -5 | 22 | -5 |
| 7 | -4 | 23 | -5 |
| 8 | -4 | 24 | -6 |
| 9 | -4 | 25 | -6 |
| 10 | -4 | 26 | -7 |
| 11 | -5 | 27 | -7 |
| 12 | -5 | 28 | -5 |
| 13 | -5 | 29 | -5 |
| 14 | -5 | 30 | -5 |
| 15 | -5 | 31 | -5 |
| 16 | -5 | | |

OPERATING DATA REPORT

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

OPERATING STATUS

| | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | |
| 2. REPORTING PERIOD: MAY 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 | 744.00 | 3623.00 | 54384.00 |
| 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) | -3868.00 | -17783.00 | 20207336.00 |
| 19. UNIT SERVICE FACTOR | .00 | .00 | 58.79 |
| 20. UNIT AVAILABILITY FACTOR | .00 | .00 | 58.79 |
| 21. UNIT CAP. FACTOR (USING MDC NET) | -.66 | -.62 | 47.03 |
| 22. UNIT CAP. FACTOR (USING DER NET) | -.63 | -.60 | 45.26 |
| 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: 06/23/83
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

APPENDIX

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

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 was shut down the entire month of May for a refueling/maintenance outage.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1983

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE June 1983
 COMPLETED BY Frances Harrison
 TELEPHONE (919) 457-9521

| 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 |
|-------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 83116 | 821211 | S | 744 | C | 4 | NA | RC | FUELXX | Refueling 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
 Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

⁵
 Exhibit I - Same Source

S/RV FAILURE/CHALLENGES REPORT

DATE: May 16, 1983

TIME OF OCCURENCE: 2108

DETAILS OF S/RV's FAILURE: The S/RV report is incomplete. Information will be included in June 1983 report.

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 06/07/83
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

| MAY 1983 | | | |
|----------|-------------------------------------|-----|-------------------------------------|
| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY | AVG. DAILY POWER LEVEL (MWE-NET) |
| 1 | -8 | 17 | -12 |
| 2 | -8 | 18 | -14 |
| 3 | -9 | 19 | 179 |
| 4 | -9 | 20 | 577 |
| 5 | -9 | 21 | 683 |
| 6 | -9 | 22 | 493 |
| 7 | -9 | 23 | 705 |
| 8 | -11 | 24 | 704 |
| 9 | 63 | 25 | 765 |
| 10 | 580 | 26 | 735 |
| 11 | 712 | 27 | 750 |
| 12 | 700 | 28 | 782 |
| 13 | 699 | 29 | 766 |
| 14 | 703 | 30 | 771 |
| 15 | 703 | 31 | 774 |
| 16 | 613 | | |

OPERATING DATA REPORT

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

OPERATING STATUS

| | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2 | |
| 2. REPORTING PERIOD: MAY 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 | 744.00 | 3623.00 | 66408.00 |
| 12. NUMBER OF HOURS REACTOR CRITICAL | 510.08 | 2621.40 | 41397.52 |
| 13. REACTOR RESERVE SHUTDOWN HRS | .00 | .00 | .00 |
| 14. HOURS GENERATOR ON LINE | 476.36 | 2484.24 | 38634.98 |
| 15. UNIT RESERVE SHUTDOWN HOURS | .00 | .00 | .00 |
| 16. GROSS THERMAL ENERGY GEN. (MWH) | 1007176.87 | 5344486.57 | 71641469.93 |
| 17. GROSS ELEC. ENERGY GEN. (MWH) | 333820.00 | 1800666.00 | 23817358.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH) | 320615.00 | 1735321.00 | 22827247.00 |
| 19. UNIT SERVICE FACTOR | 64.03 | 68.57 | 58.18 |
| 20. UNIT AVAILABILITY FACTOR | 64.03 | 68.57 | 58.18 |
| 21. UNIT CAP. FACTOR (USING MDC NET) | 54.55 | 60.63 | 43.51 |
| 22. UNIT CAP. FACTOR (USING DER NET) | 52.49 | 58.34 | 41.87 |
| 23. UNIT FORCED OUTAGE RATE | 10.99 | 3.46 | 16.06 |
| 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

APPENDIX

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

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 operated at 64.03% availability factor for the month of May with a 54.55% capacity factor. There were one scheduled outage*, one scram and three power reductions this month. They are detailed in Appendix D, the unit shutdowns and power reduction log.

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

*Detailed report will follow when completed.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE June 1983
 COMPLETED BY Frances Harrison
 TELEPHONE (919) 457-9521

| 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 |
|--------|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 83-031 | 830408 | S | 199.18 | B | 4 | NA | XX | XXXXXX | Dual 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
 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

REPORT MONTH May 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE June 1983
 COMPLETED BY Frances Harrison
 TELEPHONE (919)457-9521

| 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 |
|--------|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 83-037 | 830516 | F | 58.8 | A | 3 | NA | ZZ | RELAYX | <p>RX Scram-MSL radiation monitor "D" electrical noise spike.</p> <p>Varistors were added in parallel with the SRM fuel loading trips sensing relays to suppress the voltage transients produced by these relays when they deenergize or energize.</p> |

¹
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 S: Scheduled

²
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 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:
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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE June 1983
 COMPLETED BY Frances Harrison
 TELEPHONE (919) 457-9521

| 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 |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 83-042 | 830521 | F | 28.4 | A | 5 | NA | HC | HTEXCH | Waterbox work; plugged one tube. |

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
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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE June 1983
 COMPLETED BY Frances Harrison
 TELEPHONE (919) 457-9521

| 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 |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 83-044 | 830524 | F | 1.8 | A | 5 | NA | XX | HTEXCH | Reduced power to repair EHC leak. Plugged EHC leak on #2 turbine bypass valve. |

¹
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 S: Scheduled

²
 Reason:
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 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:
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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1983

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE June 1983
 COMPLETED BY Frances Harrison
 TELEPHONE (919) 457-9521

| 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 |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 83-046 | 830526 | S | 2.7 | H | 5 | NA | --- | ---- | Rod Improvement; to bring Unit up to 100% power. |

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:
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 0161)

⁵
 Exhibit I - Same Source



Carolina Power & Light Company

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

June 7, 1983

FILE: B09-13510C
SERIAL: BSEP/83-1789

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

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 May 1983.

Very truly yours,

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

FH/klb

Enclosure

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

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1/1