

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325
UNIT BRUNSWICK UNIT 1
DATE 11/05/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

OCTOBER 1984

| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY | AVG. DAILY POWER LEVEL (MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1 | 786 | 17 | 761 |
| 2 | 784 | 18 | 757 |
| 3 | 781 | 19 | 754 |
| 4 | 779 | 20 | 749 |
| 5 | 739 | 21 | 748 |
| 6 | 601 | 22 | 745 |
| 7 | 681 | 23 | 742 |
| 8 | 770 | 24 | 737 |
| 9 | 781 | 25 | 737 |
| 10 | 776 | 26 | 736 |
| 11 | 774 | 27 | 733 |
| 12 | 774 | 28 | 732 |
| 13 | 772 | 29 | 44 |
| 14 | 771 | 30 | -7 |
| 15 | 768 | 31 | -6 |
| 16 | 765 | | |

8412130427 841107
PDR ADOCK 05000324
R PDR

1.16 - 8

IE-24
1/1

OPERATING DATA REPORT

DOCKET NO. 050-0325
 DATE 11/05/84
 COMPLETED BY FRANCES HARRISON
 TELEPHONE (919)457-9521

OPERATING STATUS

| | | | |
|---|--|-------|--|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | | NOTES | |
| 2. REPORTING PERIOD: OCTOBER 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 | 745.00 | 7320.00 | 66841.00 |
| 12. NUMBER OF HOURS REACTOR CRITICAL | 691.10 | 6509.40 | 42907.38 |
| 13. REACTOR RESERVE SHUTDOWN HRS | .00 | .00 | 1647.10 |
| 14. HOURS GENERATOR ON LINE | 677.90 | 6329.95 | 40418.48 |
| 15. UNIT RESERVE SHUTDOWN HOURS | .00 | .00 | .00 |
| 16. GROSS THERMAL ENERGY GEN. (MWH) | 1570009.80 | 14597221.36 | 83024515.93 |
| 17. GROSS ELEC. ENERGY GEN. (MWH) | 522770.00 | 4875401.00 | 27422452.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH) | 506212.00 | 4730543.00 | 26344383.00 |
| 19. UNIT SERVICE FACTOR | 90.99 | 86.47 | 60.47 |
| 20. UNIT AVAILABILITY FACTOR | 90.99 | 86.47 | 60.47 |
| 21. UNIT CAP. FACTOR (USING MDC NET) | 86.01 | 81.80 | 49.89 |
| 22. UNIT CAP. FACTOR (USING DER NET) | 82.76 | 78.71 | 48.01 |
| 23. UNIT FORCED OUTAGE RATE | .00 | 9.08 | 21.21 |
| 24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): | | | |

LOCAL LEAK RATE TESTING 10/29/84 SIX WEEKS
 AND SNUBBER OUTAGE

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.: 050-325
UNIT: Brunswick 1
DATE: November 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 1

Brunswick Unit 1 operated at a 90.99% availability factor for the month of October with an 86.01% capacity factor. There was one power reduction. The unit separated from the grid on October 29, 1984, for the local leak rate testing and snubber outage. Details are in Appendix D; the Unit Shutdown Power Reduction Log.

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

There was one SRV failure/challenges report for September.

S/RV FAILURE/CHALLENGES REPORT

DATE: 9/10/84

TIME OF OCCURENCE: 0909

DETAILS OF S/RV's FAILURE: SRV-F013G auto lifted at 1105 psig setpoint.

SRVs F013A and E were opened manually at the RTGB. No sonic indications were
received. Tailpipe temperatures indicated all three SRVs had opened and
reseated.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
UNIT NAME Brunswick 1
DATE November 1984
COMPLETED BY Frances Harrison
TELEPHONE (919) 457-9521

REPORT MONTH October 1984

| No. | Date | Type | Duration (Hours) | Reason | Method of Shutting Down Reactor | Licensee Event Report # | System Code A | Component Code | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|------|------------------|--------|---------------------------------|-------------------------|---------------|----------------|---|
| 80-078 | 841005 | S | 00 | B | 5 | N/A | | | Control Rod Pattern Improvement |

- 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 October 1984

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE November 1984
 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 |
|--------|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 84-083 | 841029 | S | In Progress | B | 2 | N/A | | | Local Leak Rate Testing and Snubber 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

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324
UNIT BRUNSWICK UNIT 2
DATE 11/05/84
COMPLETED BY FRANCES HARRISON
TELEPHONE (919)457-9521

OCTOBER 1984

| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY | AVG. DAILY POWER LEVEL (MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1 | -13 | 17 | -14 |
| 2 | -13 | 18 | -14 |
| 3 | -13 | 19 | -14 |
| 4 | -12 | 20 | -14 |
| 5 | -12 | 21 | -15 |
| 6 | -13 | 22 | -14 |
| 7 | -14 | 23 | -14 |
| 8 | -14 | 24 | -14 |
| 9 | -14 | 25 | -14 |
| 10 | -13 | 26 | 50 |
| 11 | -12 | 27 | -14 |
| 12 | -13 | 28 | -13 |
| 13 | -14 | 29 | 42 |
| 14 | -14 | 30 | -14 |
| 15 | -14 | 31 | 17 |
| 16 | -12 | | |

OPERATING DATA REPORT

DOCKET NO. 050-0324
 DATE 11/07/84
 COMPLETED BY FRANCES HARRIS
 TELEPHONE (919)457-9521

OPERATING STATUS

- | | |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2 | NOTES |
| 2. REPORTING PERIOD: OCTOBER 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 | 745.00 | 7320.00 | 78865.00 |
| 12. NUMBER OF HOURS REACTOR CRITICAL | 284.24 | 1888.57 | 46615.90 |
| 13. REACTOR RESERVE SHUTDOWN HRS | .00 | .00 | .00 |
| 14. HOURS GENERATOR ON LINE | 26.56 | 1593.55 | 43379.00 |
| 15. UNIT RESERVE SHUTDOWN HOURS | .00 | .00 | .00 |
| 16. GROSS THERMAL ENERGY GEN. (MWH) | 12388.52 | 3367508.86 | 81944229.80 |
| 17. GROSS ELEC. ENERGY GEN. (MWH) | 3533.00 | 1113963.00 | 27223661.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH) | -6490.00 | 1034843.00 | 26062661.00 |
| 19. UNIT SERVICE FACTOR | 3.57 | 21.77 | 55.00 |
| 20. UNIT AVAILABILITY FACTOR | 3.57 | 21.77 | 55.00 |
| 21. UNIT CAP. FACTOR (USING MDC NET) | -1.10 | 17.90 | 41.80 |
| 22. UNIT CAP. FACTOR (USING DER NET) | -1.06 | 17.22 | 40.20 |
| 23. UNIT FORCED OUTAGE RATE | .00 | 2.18 | 15.50 |
| 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 | ----- | ----- |

APPENDIX

DOCKET NO.: 050-324
UNIT: Brunswick 2
DATE: November 1984
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 2

Brunswick Unit 2 was synchronized to the grid on October 26, 1984, after the refueling/maintenance outage. The unit separated from the grid on October 26, October 29, and October 31, 1984, for repairs of No. 9 bearing. Details are in Appendix D of the unit's Shutdown Power Reduction Log.

There are 608 BWR and 144 PWR spent fuel bundles in the Brunswick Unit 2 fuel pool.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1984

DOCKET NO. 050-0324
 UNIT NAME Brunswick II
 DATE November 1984
 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 |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 84-022 | 841026 | S | 53.37 | B | 1 | NA | . | . | Rx shutdown to hot standby for repairs on #9 bearing. |

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 October 1984

DOCKET NO. 050-0324
UNIT NAME Brunswick II
DATE November 1984
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 |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 84-026 | 841031 | S | In Progress | B | 1 | NA | | | Separated generator from grid for #9 bearing problems. |

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

⁵
Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1984

DOCKET NO. 050-0324
UNIT NAME Brunswick II
DATE November 1984
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 |
|--------|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 84-024 | 841029 | S | 52 | B | 1 | NA | | | Tripped main turbine/generator in preparation for checking on hi vibration readings on #9 bearing. |

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

(9/77)