APPENDIX B AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325 UNIT BRUNSWICK UNIT 1 DATE 11/02/82 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

| OCTOBER | 1982 | | |
|----------|-----------------------------|---------|-----------|
| DAY AUG. | DATLY POWER LEVEL (MWE-NET) | DAY AVG | (MWE-NET) |
| 1 | -10 | 17 | -6 |
| 2 | -10 | 18 | 319 |
| 3 | -10 | 19 | 404 |
| . 4 | -11 | 20 | 414 |
| 5 | -10 | 21 | 407 |
| 6 | -10 | 22 | -14 |
| 7 | -10 | 23 | -13 |
| 8 | -10 | 24 | -11 |
| 9 | -11 | 25 | 4 |
| 10 | -12 | 26 | 401 |
| 11 | -12 | 27 | 463 |
| 12 | -11 | 28 | 600 |
| 13 | -12 | 29 | 576 |
| 14 | -12 | 30 | 493 |
| 15 | -10 | 31 | 526 |
| 16 | -11 | | |

DOCKET NO. 050-0325 DATE 11/02/82 COMPLETED BY FRANCES HARRISON TELEPHONE 919-457-9521

OPERATING STATUS

| 1 | UNIT NAME: BRUNSWICK UNIT 1 | I NOTES I |
|----|--|-----------|
| 2. | REPORTING PERIODA DOTOBER 82 | |
| | LICENSED THERMAL POWER (MWT): 2436 | |
| | NAMEPLATE RATING (GROSS MWE): 857.0 | |
| | DESIGN ELECTRICAL RATING (NET MWE): 821.0 | |
| | 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): NONE
- 10, REASONS FOR RESTRICTION IF ANY:

| THIS | YR TO | CUMUL |
|--|--|-------|
| MONTH | DATE | ATIVE |
| 309.6 0.0 244.2 0.0 359033.6 115714.0 105927.0 32.8 32.8 18.0 17.3 67.2 | 7900320.5 2541153.0 2425399.0* 61.2 61.2 42.1 40.5 37.4 | |

Refueling 11/27/82 - 5/12/83

| IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF UNITS IN TEST STATUS (PRIOR TO COMMERICIAL OPERATION): | |
|---|-------|
| INITIAL CRITICALITY | |
| INITIAL ELECTRICITY | 4 |
| | |

1.16 - 9

*Year To Date & Cumulative have been adjusted to reflect correction made to Sept. report of 1 mwh.

APPENDIX

DOCKET NO.: 050-325

UNIT: Brunswick No. 1 DATE: November 1982

COMPLETED BY: Francis Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 returned to service on October 17, 1982, after the Integrated Leak Rate Testing outage. The unit operated at 32.8 percent availability factor and 18.0 percent capacity factor. There were three off-line outages and two power reductions.

The Integrated Leak Rate Testing Outage detailed report will follow at a later date when completed.

There are 476 BWR and 160 PWR spent fuel bundles in the Brunswick Unit No. 1 fuel pool.

DOCKET NO. UNIT NAME

050-0325 Brunswick

COMPLETED BY

DATE November 1982 Frances Harrison

TELEPHONE (919) 457-9521

REPORT MONTH October

| No. | Date | Type | Duration (Hours) | Reason- | Method of Shutting Down Reactor3 | Licensee Event Report # | System Code4 | Component Code5 | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|------|---|---------|--|-------------------------------|-----------------|--------------------|--|
| 82-92A | 821010 | 2 | Unit was down. Attemp- ting to Startup. | A | | | IE | VALVEX | Reactor scram - manual - scram due to relief valve F013J stuck open. I&C replaced solenoid valve and as a precautionary measure Mechanical Maintenance replaced the pilot assembly. |

F: Forced

S: Scheduled

A-Equipment Failure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction F-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

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

Exhibit 1 - Same Source

REPORT MONTH October

DOCKET NO. UNIT NAME 050-0325 Brunswick

COMPLETED BY Frances Harris

November 1982

| TELLED DI | - Laures | nai. | LISC |
|-----------|----------|------|------|
| ELEPHONE | (919) 4 | 57-9 | 521 |

| No. | Date | Type1 | Duration (Hours) | Reason2 | Method of Shutting Down Reactor3 | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|-------|--|---------|--|-------------------------------|-----------------------------|--------------------------------|--|
| 82-92B | 821014 | | Unit was down. Attempting to startup when problem occurred | A | 1 | NA | IE | VALVEX | Reactor shutdown due to problems with F013D and E safecy relief valve. Action dependent on outcome of root cause investigation. |

F: Forced S: Scheduled

Reason:

A-Equipment Failure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction F-Operator Training & License Examination

F-Administrative

G-Operational Error (Explain) H-Other (Explain)

Method: 1-Manual

2-Manual Scram.

3-Automatic Scram.

4-Continuations

5-Load Reductions . 6-Other

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

Exhibit 1 - Same Source

REPORT MONTH October

DOCKET NO. 050-0325

UNIT NAME Brunswick 1 COMPLETED BY

DATE November 1982 .

Frances Harrison TELEPHONE (919) 457-9521

| No. | Date | Type1 | Duration (Hours) | Reason- | Method of Shutting Down Reactor3 | Licensee Event Report # | System Code ⁴ | Code5 | Cause & Corrective Action to Prevent Recurrence |
|-------|--------|-------|---------------------|---------|--|-------------------------------|-----------------------------|--------|--|
| 82-95 | 821021 | F | 94.3 | В | 3 | NA | НА | TURBIN | Reactor scram. Turbine load unbalance test with CV closure. (REPORT WILL FOLLOW WHEN COMPLETED) |

F: Forced S: Scheduled

Reason:

A-Equipment Failure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction F-Operator Training & License Examination

F-Administrative

G-Operational Error (Explain) H-Other (Explain)

3

Method: 1-Manual

2-Manual Scram.

3-Automatic Scrain.

4-Continuations

5-Load Reductions . 6-Other

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

Exhibit 1 - Same Source

REPORT MONTH __October

DOCKET NO. 050-03-5 Brunswick UNIT NAME November 1982. DATE COMPLETED BY

Frances Harrison TELEPHONE (919) 457-9521

| No. | Date | Type1 | Duration (Hours) | Reason 2 | Method of Shutting Down Reactor3 | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-------|--------|-------|---------------------|----------|----------------------------------|-------------------------------|-----------------------------|--------------------------------|---|
| 82-97 | 821030 | F | 9.5 | À | 5 | NA | XX | PUMPXX | Recirc. pump tripped. |
| | | | | | | | | | (REPORT WILL FOLLOW WHEN COMPLETED) |
| | | | | | | | | | |
| | | | | | | | | | |

F: Forced S: Scheduled

Reason:

A-Equipment Failure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction
F-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-Cther

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

Exhibit 1 - Same Source

REPORT MONTH _ October

DOCKET NO. UNIT NAME

Brunswick November 1982 . DATE

050-0325

COMPLETED BY TELEPHONE Frances Harrison (919) 457-9521

| No. | Date | Type1 | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code4 | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-------|--------|-------|---------------------|---------------------|--|-------------------------------|-----------------|--------------------------------|---|
| 82-98 | 821031 | F | 9.0 | A | 5 | NA | XX | XXXXXX | Reduced power to less than 30 percent due to EHC-PSL-1759 problems. (REPORT WILL FOLLOW WHEN COMPLETED). |

F: Forced S: Scheduled

Reason:

A-Equipment Failure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction F-Operator Training & License Examination

F-Administrative

G-Operational Error (Explain) H-Other (Explain)

3

Method: 1-Manual

2-Manual Scram.

3-Automatic Scrain.

4-Continuations

5-Load Reductions . 6-Other

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

Exhibit 1 - Same Source

APPENDIX

DOCKET NO.: 050-324

UNIT: Brunswick No. 2

DATE: November 1982

COMPLETED BY: Francis Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 returned to service on October 3, 1982, after the refueling and Integrated Leak Rate Testing outages. The unit operated at a 53.8 percent availability factor and 27.5 capacity factor. There were four off-line outages this month.

The refueling and Integrated Leak Rate Testing outages detailed reports will follow at a later date when completed.

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

APPENDIX B AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324 UNIT BRUNSWICK UNIT 2 DATE 11/01/82 COMPLETED BY FRANCES HARRISON TELEPHONE 919-457-9521

OCTOBER 82

| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY AVG | . DAILY POWER LEVEL (MWE-NET) |
|-----|----------------------------------|---------|-------------------------------|
| 1 | -16. | 17 | ~15. |
| 2 . | -19, | 18 | 214. |
| | 32. | 19 | 514. |
| 4 | 184. | 20 | 540. |
| | 197. | 21 | 571. |
| | 237. | 22 | 593. |
| 7 | 283. | 23 | 613. |
| | 423. | 2.4 | 208. |
| 9 | 423. | 25 | 315. |
| | 341. | 26 | 610. |
| 11 | -12. | 27 | 502. |
| 12 | -11. | 28 | 29. |
| 13 | -11. | 29 | -11. |
| 14. | -14, | 3,9 | -11. |
| 15 | -14, | 31 | -11. |
| 16 | -14. | | |

OPERATING DATA REPORT

DOCKET NO. 050-0324 DATE 11/01/82 COMPLETED BY FRANCES HARRISON TELEPHONE 919-457-9521

OPERATING STATUS

| 1. | UNIT NAME: BRUNSWICK UNIT 2 | I NOTES I |
|----|---|---|
| 2. | REPORTING PERIOD: OCTOBER 82 | 는 II - 그런 것으로 하다 살아보다면서 다른데 |
| 3. | LICENSED THERMAL POWER (MWT): 2436 | [- I] |
| 4. | NAMEPLATE RATING (GROSS MWE): 867.0 | |
| 5. | DESIGN ELECTRICAL RATING (NET MWE): 821.0 | |
| 6. | MAX DEPENDABLE CAPACITY (GROSS MWE): 815. | |
| 7. | MAX DEPENDABLE CAPACITY (NET MWE): 790.0 | |

8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT.

- 9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): NONE
- 10. REASONS FOR RESTRICTION IF ANY:

| | THIS | YR TO | CUMUL |
|--|---|---|--|
| | MONTH | DATE | ATIVE |
| 14. HOURS GENERATOR ON LINE 15. UNIT RESERVE SHUTDOWN HOURS 16. GROSS THERMAL ENERGY GENERATED (MWH) 17. GROSS ELECTRICAL ENERGY GENERATED (MWH) 18. NET ELECTRICIAL ENERGY GENERATED (MWH) 19. UNIT SERVICE FACTOR 20. UNIT AVAILABILITY FACTOR 21. UNIT CAPACITY FACTOR (USING MDC NET) 22. UNIT CAPACITY FACTOR (USING DER NET) 23. UNIT FORCED OUTAGE RATE | 0.0 400.7 0.0 557346.4 174335.0 161984.0 53.8 27.5 26.5 18.3 | 0.0 2785.3 0.0 5025312.2 1589624.0 1491799.0 38.2 38.2 25.9 24.9 | 38142.7 Ø.Ø 35554.6 Ø.Ø 65Ø22849.8 21583561.Ø 20681200.Ø 58.Ø 42.7 41.1 17.1 |

| IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF UNITS IN TEST STATUS (PRIOR TO COMMERICIAL OPERATION): | |
|---|------|
| INITIAL CRITICALITY | |
| INITIAL ELECTRICITY | |
| COMMERICIAL OPERATION | |

REPORT MONTH _October

DOCKET NO. UNIT NAME

050-0324 Brunswick 2

COMPLETED BY

DATE November 1982 . Frances Harrison

(919) 457-9521 TELEPHONE

| No. | Date | Type1 | Duration (Hours) | Reason 2 | Method of Shutting Down Reactor3 | Licensee Event Report # | System Code ⁴ | Component | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|-------|---------------------|----------|--|-------------------------------|-----------------------------|-----------|---|
| 82-057 | 821021 | S | 1.3 | В | 1 | NA | IE | XXXXXX | Unit separated from grid for routine overspeed trip test. |

F: Forced S: Scheduled

Reason:

A-Equipment Failure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction F-Operator Training & License Examination

F-Administrative G-Operational Error (Explain) H-Other (Explain)

Method: 1-Manual 2-Manual Scram. 3-Automatic Scram.

4-Continuations 5-Load Reductions 6-Other

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

Exhibit 1 - Same Source

REPORT MONTH _October

DOCKET NO. UNIT NAME 050-0324 Brunswick 2

DATE COMPLETED BY

November 1982 Frances Harrison

TELEPHONE

(919) 457-9521

| No. | Date | Type1 | Duration (Hours) | Reason 2 | Method of Shutting Down Reactor3 | Licensee Event Report # | System Code4 | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|-------|---------------------|----------|--|-------------------------------|-----------------|--------------------------------|--|
| 82-059 | 821010 | F | 175.7 | A | 3 | NA | SB | PIPEXX | Reactor scram. Cracks in heater drain piping. Loss of E-3 Bus #3 diesel generator output breaker would not close in on E-3 bus. (REPORT WILL FOLLOW WHEN COMPLETED) |
| | | | | | | | | | |

F: Forced

S: Scheduled

A Equipment Failure (Explain)

B-Maintenance of Test

C-Refueling

D-Regulatory Restriction F-Operator Training & License Examination

F-Administrative

G-Operacional Error (Explain) H-Other (Explain)

Method:

1-Manual 2-Manual Scram.

3-Automatic Scram.

4-Continuations 5-Load Reductions .

6-Other

Exhibit G - Instructions

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

0161)

5

Exhibit 1 - Same Source

050-0324

UNIT NAME

Brunswick 2 DATE November 1982

COMPLETED BY

Frances Harrison

DOCKET NO.

TELEPHONE (919) 457-9521

| REPORT MONTH | October |
|--------------|---------|
|--------------|---------|

| No. | Date | Type1 | Duration (Hours) | Reason- | Method of Shutting Down Reactor3 | Licensee Event Report # | System Code4 | Codes | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|-------|---------------------|---------|--|-------------------------------|-----------------|--------|---|
| 82-062 | 821024 | F | 15.5 | A | 2 | NA | XX | XXXXXX | Normal reactor shutdown in order to lower ΔT between steam dome saturation temperature and bottom head drain. |

F: Forced

S: Scheduled

A-Equipment Failure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction I-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

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

5 Exhibit 1 - Same Source

DOCKET NO. UNIT NAME 050-0324

DATE COMPLETED BY

Brunswick 2 November 1982 Frances Harrison

TELEPHONE

(919) 457-9521

REPORT MONTH October

| No. | Date | Type1 | Duration (Hours) | Reason 2 | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code4 | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-------|--------|-------|---------------------|----------|--|-------------------------------|-----------------|--------------------------------|---|
| 2-064 | 821028 | F | | Α' | 2 | NA | | | TIP outage in progress. |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

F: Forced S: Scheduled

A-Equipment Failure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction

F-Operator Training & License Examination F-Administrative

G-Operational Error (Explain)

H-Other (Explain)

Method: 1-Manual

2-Manual Scram.

3-Automatic Scram.

4-Continuations 5-Load Reductions . 6-Other

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

Exhibit 1 - Same Source