

OPERATING DATA REPORT

LOCKET NO. 050-0325
 DATE 02/03/81
 COMPLETED BY GULIS WILLIS
 TELEPHONE 912-437-9521

OPERATING STATUS

	NOTES
1. UNIT NAME: BRUNSWICK UNIT 1	
2. REPORTING PERIOD: JANUARY 81	
3. LICENSED THERMAL POWER (MWT): 243	
4. NAMEPLATE RATING (GROSS MWE): 667.0	
5. DESIGN ELECTRICAL RATING (NET MWE): 621.0	
6. MAX DEPENDABLE CAPACITY (GROSS MWE): 615.0	
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 IN ANY (NET MWE): NONE
 10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	12 MO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.0	744.0	33986.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	544.7	544.7	24366.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1647.1
14. HOURS GENERATOR ON LINE	621.9	621.9	32903.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MMBtu)	960641.3	960641.3	47084374.2
17. GROSS ELECTRICAL ENERGY GENERATED (MMWh)	325375.0	325375.0	15650939.0
18. NET ELECTRICAL ENERGY GENERATED (MMWh)	312054.0	312054.0	15059490.0
19. UNIT SERVICE FACTOR	70.1	70.1	57.4
20. UNIT AVAILABILITY FACTOR	70.1	70.1	57.4
21. UNIT CAPACITY FACTOR (USING MDC NET)	53.1	53.1	36.1
22. UNIT CAPACITY FACTOR (USING DER NET)	51.1	51.1	54.0
23. UNIT FORCED OUTAGE RATE	13.0	13.0	13.0
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)			

Maintenance 810307 1344 Hours

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 01/01/81
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACMEIVE

INITIAL CRITICALITY

INITIAL ELECTRICITY

1.11 - 2

APPENDIX B
AVERAGE DAILY POWER LEVEL

DOCKET NO. 030-0325
UNIT BRUNSWICK UNIT 1
DATE 02/03/01
COMPLETED BY JULIE WILLIS
TELEPHONE 919-407-9321

JANUARY 01

DAY	AVG. DAILY POWER LEVEL (MPE-NET)	DAY	AVG. DAILY POWER LEVEL (MPE-NET)
1	-7.	17	760.
2	-10.	18	776.
3	-12.	19	773.
4	-11.	20	360.
5	-12.	21	-12.
6	-14.	22	231.
7	303.	23	490.
8	424.	24	650.
9	406.	25	569.
10	634.	26	533.
11	715.	27	500.
12	705.	28	580.
13	732.	29	637.
14	603.	30	107.
15	714.	31	26.
16	775.		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325
 UNIT NAME Brunswick #1
 DATE February 1981
 COMPLETED BY Frances Harrison
 TELEPHONE 457-9521

REPORT MONTH January 1980

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ²	Licensee Event Report #	System Code ³	Component Code ³	Cause & Corrective Action to Prevent Recurrence
001	810161	S	143.8	B	2	N/A	CH	HEATER	The unit was separated from the grid to perform maintenance on the feedwater heaters and to do a required snubber inspection. Plugged identified leaking feedwater tubes. All defective snubbers found were repaired and returned to service.

- 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-Other (Explain)
- 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. 050-0325
 UNIT NAME Brunswick #1
 DATE February 1981
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 TELEPHONE 457-9521

REPORT MONTH January

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
002	810120	F	40.7	A	3	N/A	SA	PENETR.	<p>The reactor scrammed due to a low vessel level.</p> <p>RIP valve was reopened following scram. RIP valve was checked out following scram. No cause for its closing was found.</p>

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 S: Scheduled

2 Reason:
 A-Equipment Failure (Explain)
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 C-Refueling
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 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-Other (Explain)

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

5 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 030-0325

UNIT NAME Brunswick #1

DATE February 1981

COMPLETED BY Frances Harrison

TELEPHONE 457-9521

REPORT MONTH January

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
003	810126	F	37.5	B	1	N/A	HC	HCTEXCH	Reducing power for condenser water box work. Plug tubes that were found leaking.

1 F: Forced
S: Scheduled2 Reason:
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G-Operational Error (Explain)
H-Other (Explain)

3

Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

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 January 1981

DOCKET NO. 050-0325
 UNIT NAME Brunswick #1
 DATE February 1981
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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
004	810130	F	37.7	A	3	N/A	CH	PUMPXX	<p>Reactor scram due to loss of reactor feed pump 'A'.</p> <p>A thorough checkout of the reactor feed pump electrical controls and trip circuits was undertaken with no cause of the reactor feed pump malfunction determined. The reactor feed pump was placed in service following reactor start-up and the reactor power limited to 75% until confidence was gained in the operation of the 1A Reactor Feed Pump.</p>

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-Other (Explain)

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

⁵
 Exhibit I - Same Source

APPENDIX

DOCKET NO: 050-325
UNIT: Brunswick No. 1
DATE: February 1981
COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY
BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 operated at a 70.1% availability factor for the month of January with a 53.1% capacity factor. There was one power reduction this month, and three "off-line" outages, both are detailed in Appendix D, the unit shutdowns and power reductions log.

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