

APPENDIX B
AVERAGE DAILY PUMP LEVEL

DOCKET NO. 010-0324
UNIT 20051000 UNIT 2
DATE 01/02/10
COMPLETED BY EULIS WILLIS
TELEPHONE 912-437-2521

DECEMBER 79

DAY AVG. DAILY PUMP LEVEL
(FEET)

1	741.
2	742.
3	740.
4	743.
5	742.
6	740.
7	741.
8	741.
9	745.
10	743.
11	744.
12	743.
13	743.
14	743.
15	745.
16	745.

DAY AVG. DAILY PUMP LEVEL
(FEET)

17	743.
18	742.
19	742.
20	742.
21	742.
22	742.
23	743.
24	741.
25	747.
26	743.
27	743.
28	743.
29	743.
30	743.
31	743.

1.1 - 0

OPERATING DATA REPORT

NAME: W. J. J. J.
 DATE: 1/1/74
 CL: 1/1/74
 TEL: 1-1-1-1-1-1

1933-1934 32,205

- [illegible]

	MS	1	2
11. 100% 1. 100% 1. 100%	74.0	57.3	57.3
12. 100% 2. 100% 2. 100%	54.3	57.7	57.7
13. 100% 3. 100% 3. 100%	1.0	1.0	1.0
14. 100% 4. 100% 4. 100%	54.7	57.1	57.1
15. 100% 5. 100% 5. 100%	0.3	0.3	0.3
16. 100% 6. 100% 6. 100%	134.0	117.0	117.0
17. 100% 7. 100% 7. 100%	57.7	57.7	57.7
18. 100% 8. 100% 8. 100%	57.7	57.7	57.7
19. 100% 9. 100% 9. 100%	0.3	0.3	0.3
20. 100% 10. 100% 10. 100%	0.3	0.3	0.3
21. 100% 11. 100% 11. 100%	7.1	7.1	7.1
22. 100% 12. 100% 12. 100%	71.3	71.3	71.3
23. 100% 13. 100% 13. 100%	0.3	0.3	0.3
24. 100% 14. 100% 14. 100%	0.3	0.3	0.3

REFUELING 80-02-15, 1608 HOURS

- | | |
|--|-------|
| 25. IS SUBMISSION OF REPORT PERIOD. ESTIMATED DATE OF SUBMISSION | 12/2 |
| 26. OTHER IN TEST STATUS (PRINT IN OF MEDICAL OPERATION) • | 1/1 |
| INITIAL CRITICALITY | ----- |
| INITIAL ELECTRICITY | ----- |
| C/ MEDICAL OPERATION | ----- |

UNIT SHUTDOWNS AND POWER REDUCTIONS

050-0324

DOCKET NO.

BRUNSWICK NO. 2

UNIT NAME

JANUARY 1980

DATE

COMPLETED BY EULIS A. WILLIS

TELEPHONE

(919)457-9521

REPORT MONTH DECEMBER 1979

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
024	791130	F	35.2	A	1	N/A	HC	HTEXCH	Reduced power for A-North, B-North condenser waterbox work. 2A-North condenser was checked for leaks using the helium method and 8 tubes found leaking. 2B-North condenser was checked using helium method and the seam across the top of the outlet water box found leaking. The leaking tubes in 2A-North were plugged and this box returned to satisfactory service. The leaking seam on 2B-North was repaired during Unit No. 2 Safety Relief Valve outage. Overtime was worked.

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. 020-0125
 UNIT NAME BRECKENRIDGE 2
 DATE JANUARY 1980
 COMPLETED BY JAMES A. WILLIS
 TELEPHONE (919) 557-9521

REPORT MONTH December 1979

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	License Event Report #	System Code	Component Codes	Cause & Corrective Action to Prevent Recurrence
025	791225	S	146.2	D	1	N/A	SH	VALVEX	The unit was separated from the grid to perform a plant modification to the Safety Relief Valves. More detailed information will be provided in the report month for which the outage ends.

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 License Event Report (LER) File (NUREG-0161)

5

Exhibit I - Same Source

(9/77)

APPENDIX

DOCKET NO.: 050-0324
UNIT: BRUNSWICK NO. 2
COMPLETED BY: EULIS A. WILLIS

OPERATIONS SUMMARY

BRUNSWICK NO. 2

Brunswick Unit No. 2 operated at 74.4% capacity factor for the month of December with two major interruptions.

NOVEMBER 30: Power was reduced for 35.2 hours for condenser waterbox work.

DECEMBER 25: The unit was separated from the grid to perform a plant modification on the Safety Relief Valves.

Total downtime for the unit was 144.2 hours resulting in a 80.6% availability factor. More detailed information on individual outages is included in Appendix D of this report.

APPENDIX AVERAGE DAILY 20° F. LEVEL

WICKHAM, CALIF. 20-2412
 DATE 11/27/21
 TIME 11:00 AM
 PLACE 21-27-21

STATION	DATE	TIME	TEMP.	STATION	DATE	TIME	TEMP.
1	11/27/21	11:00	20.0	17	11/27/21	11:00	20.0
2	11/27/21	11:00	20.0	18	11/27/21	11:00	20.0
3	11/27/21	11:00	20.0	19	11/27/21	11:00	20.0
4	11/27/21	11:00	20.0	20	11/27/21	11:00	20.0
5	11/27/21	11:00	20.0	21	11/27/21	11:00	20.0
6	11/27/21	11:00	20.0	22	11/27/21	11:00	20.0
7	11/27/21	11:00	20.0	23	11/27/21	11:00	20.0
8	11/27/21	11:00	20.0	24	11/27/21	11:00	20.0
9	11/27/21	11:00	20.0	25	11/27/21	11:00	20.0
10	11/27/21	11:00	20.0	26	11/27/21	11:00	20.0
11	11/27/21	11:00	20.0	27	11/27/21	11:00	20.0
12	11/27/21	11:00	20.0	28	11/27/21	11:00	20.0
13	11/27/21	11:00	20.0	29	11/27/21	11:00	20.0
14	11/27/21	11:00	20.0	30	11/27/21	11:00	20.0
15	11/27/21	11:00	20.0	31	11/27/21	11:00	20.0
16	11/27/21	11:00	20.0				

[illegible]

1. ...
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Item	Quantity	Unit Price	Total
1. 1000	1000	1.00	1000.00
2. 500	500	2.00	1000.00
3. 250	250	4.00	1000.00
4. 125	125	8.00	1000.00
5. 62.5	62.5	16.00	1000.00
6. 31.25	31.25	32.00	1000.00
7. 15.625	15.625	64.00	1000.00
8. 7.8125	7.8125	128.00	1000.00
9. 3.90625	3.90625	256.00	1000.00
10. 1.953125	1.953125	512.00	1000.00
11. 0.9765625	0.9765625	1024.00	1000.00
12. 0.48828125	0.48828125	2048.00	1000.00
13. 0.244140625	0.244140625	4096.00	1000.00
14. 0.1220703125	0.1220703125	8192.00	1000.00
15. 0.06103515625	0.06103515625	16384.00	1000.00
16. 0.030517578125	0.030517578125	32768.00	1000.00
17. 0.0152587890625	0.0152587890625	65536.00	1000.00
18. 0.00762939453125	0.00762939453125	131072.00	1000.00
19. 0.003814697265625	0.003814697265625	262144.00	1000.00
20. 0.0019073486328125	0.0019073486328125	524288.00	1000.00
21. 0.00095367431640625	0.00095367431640625	1048576.00	1000.00
22. 0.000476837158203125	0.000476837158203125	2097152.00	1000.00
23. 0.0002384185791015625	0.0002384185791015625	4194304.00	1000.00
24. 0.00011920928955078125	0.00011920928955078125	8388608.00	1000.00
25. 0.000059604644775390625	0.000059604644775390625	16777216.00	1000.00
26. 0.0000298023223876953125	0.0000298023223876953125	33554432.00	1000.00
27. 0.00001490116119384765625	0.00001490116119384765625	67108864.00	1000.00
28. 0.000007450580596923828125	0.000007450580596923828125	134217728.00	1000.00
29. 0.0000037252902984619140625	0.0000037252902984619140625	268435456.00	1000.00
30. 0.00000186264514923095703125	0.00000186264514923095703125	536870912.00	1000.00
31. 0.000000931322574615478515625	0.000000931322574615478515625	1073741824.00	1000.00
32. 0.0000004656612873077392578125	0.0000004656612873077392578125	2147483648.00	1000.00
33. 0.00000023283064365386962890625	0.00000023283064365386962890625	4294967296.00	1000.00
34. 0.000000116415321826934814453125	0.000000116415321826934814453125	8589934592.00	1000.00
35. 0.0000000582076609134674072265625	0.0000000582076609134674072265625	17179869184.00	1000.00
36. 0.00000002910383045673370361328125	0.00000002910383045673370361328125	34359738368.00	1000.00
37. 0.000000014551915228366851806640625	0.000000014551915228366851806640625	68719476736.00	1000.00
38. 0.0000000072759576141834259033203125	0.0000000072759576141834259033203125	137438953472.00	1000.00
39. 0.00000000363797880709171295166015625	0.00000000363797880709171295166015625	274877906944.00	1000.00
40. 0.000000001818989403545856475830078125	0.000000001818989403545856475830078125	549755813888.00	1000.00
41. 0.0000000009094947017729282379150390625	0.0000000009094947017729282379150390625	1099511627776.00	1000.00
42. 0.00000000045474735088646411895751953125	0.00000000045474735088646411895751953125	2199023255552.00	1000.00
43. 0.000000000227373675443232059478759765625	0.000000000227373675443232059478759765625	4398046511104.00	1000.00
44. 0.0000000001136868377216160297393798828125	0.00000000011368683		

REFUELING, 80-04-22, 1752 HOURS

DATE	DESCRIPTION	AMOUNT	BALANCE
1944	TO BALANCE BROUGHT FORWARD	100.00	100.00
1945	BY DEPOSIT	50.00	150.00
1946	BY DEPOSIT	25.00	175.00
1947	BY DEPOSIT	75.00	250.00
1948	BY DEPOSIT	100.00	350.00
1949	BY DEPOSIT	150.00	500.00
1950	BY DEPOSIT	200.00	700.00
1951	BY DEPOSIT	250.00	950.00
1952	BY DEPOSIT	300.00	1250.00
1953	BY DEPOSIT	350.00	1600.00
1954	BY DEPOSIT	400.00	2000.00
1955	BY DEPOSIT	450.00	2450.00
1956	BY DEPOSIT	500.00	2950.00
1957	BY DEPOSIT	550.00	3500.00
1958	BY DEPOSIT	600.00	4100.00
1959	BY DEPOSIT	650.00	4750.00
1960	BY DEPOSIT	700.00	5450.00
1961	BY DEPOSIT	750.00	6200.00
1962	BY DEPOSIT	800.00	7000.00
1963	BY DEPOSIT	850.00	7850.00
1964	BY DEPOSIT	900.00	8750.00
1965	BY DEPOSIT	950.00	9700.00
1966	BY DEPOSIT	1000.00	10700.00
1967	BY DEPOSIT	1050.00	11750.00
1968	BY DEPOSIT	1100.00	12850.00
1969	BY DEPOSIT	1150.00	14000.00
1970	BY DEPOSIT	1200.00	15200.00
1971	BY DEPOSIT	1250.00	16450.00
1972	BY DEPOSIT	1300.00	17750.00
1973	BY DEPOSIT	1350.00	19100.00
1974	BY DEPOSIT	1400.00	20500.00
1975	BY DEPOSIT	1450.00	21950.00
1976	BY DEPOSIT	1500.00	23450.00
1977	BY DEPOSIT	1550.00	25000.00
1978	BY DEPOSIT	1600.00	26600.00
1979	BY DEPOSIT	1650.00	28250.00
1980	BY DEPOSIT	1700.00	29950.00
1981	BY DEPOSIT	1750.00	31700.00
1982	BY DEPOSIT	1800.00	33500.00
1983	BY DEPOSIT	1850.00	35350.00
1984	BY DEPOSIT	1900.00	37250.00
1985	BY DEPOSIT	1950.00	39200.00
1986	BY DEPOSIT	2000.00	41200.00
1987	BY DEPOSIT	2050.00	43250.00
1988	BY DEPOSIT	2100.00	45350.00
1989	BY DEPOSIT	2150.00	47500.00
1990	BY DEPOSIT	2200.00	49700.00
1991	BY DEPOSIT	2250.00	51950.00
1992	BY DEPOSIT	2300.00	54250.00
1993	BY DEPOSIT	2350.00	56600.00
1994	BY DEPOSIT	2400.00	59000.00
1995	BY DEPOSIT	2450.00	61450.00
1996	BY DEPOSIT	2500.00	63950.00
1997	BY DEPOSIT	2550.00	66500.00
1998	BY DEPOSIT	2600.00	69100.00
1999	BY DEPOSIT	2650.00	71750.00
2000	BY DEPOSIT	2700.00	74450.00
2001	BY DEPOSIT	2750.00	77200.00
2002	BY DEPOSIT	2800.00	80000.00
2003	BY DEPOSIT	2850.00	82850.00
2004	BY DEPOSIT	2900.00	85750.00
2005	BY DEPOSIT	2950.00	88700.00
2006	BY DEPOSIT	3000.00	91700.00
2007	BY DEPOSIT	3050.00	94750.00
2008	BY DEPOSIT	3100.00	97850.00
2009	BY DEPOSIT	3150.00	101000.00
2010	BY DEPOSIT	3200.00	104200.00
2011	BY DEPOSIT	3250.00	107450.00
2012	BY DEPOSIT	3300.00	110750.00
2013	BY DEPOSIT	3350.00	114100.00
2014	BY DEPOSIT	3400.00	117500.00
2015	BY DEPOSIT	3450.00	120950.00
2016	BY DEPOSIT	3500.00	124450.00
2017	BY DEPOSIT	3550.00	128000.00
2018	BY DEPOSIT	3600.00	131600.00
2019	BY DEPOSIT	3650.00	135250.00
2020	BY DEPOSIT	3700.00	138950.00

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER 1979
 DOCKET NO. 050-0125
 UNIT NAME BRUNSWICK NO. 1
 DATE JANUARY 1980
 COMPLETED BY EULIS A. WILLIS
 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
023	791201	F	78.1	A	2	N/A	CB	VALVEX	<p>The unit was separated from grid due to high drywell leakage from the Reactor Recirculation Suction and discharge valves leak-offs. The suction and discharge valves were leaking excessively by the stem packing. Inspection determined that the Reactor Recirculation Pump 1A "staging" flow valve was not operating.</p> <p>The packing was adjusted and the valve glands were repacked as needed to stop leakage. A solenoid for the staging flow valve was found defective. It was replaced and the unit returned to satisfactory service.</p>

 1
 F - Forced
 S - Scheduled

 2
 Reason:
 A - Equipment Failure (Explain)
 B - Maintenance of Test
 C - Retesting
 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

BOOK NO. 050-0125
 UNIT NAME BRUENSWICK NO. 1
 DATE JANUARY 1980
 COMPLETED BY EULIS A. WILLIS
 TELEPHONE (919) 457-9521

REPORT MONTH DECEMBER 1979

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
024	791212	S	215.0	D	2	N/A	SH	VALVEX	<p>The unit was separated from the grid to perform a plant modification to the Safety/Relief Valves and a scheduled pipe snubber inspection. The outage was extended due to problems with rebuilding mechanical seals on the 1B Reactor Recirculation Pump.</p> <p>This outage was necessary to install new monitoring equipment and to perform routine periodic inspections. The outage was extended approximately 3 days to rebuild the Reactor Recirculation Pump Seals. The seals were rebuilt and the unit returned to satisfactory service.</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 License Event Report (LER) File (NUREG-0161)

5

Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER 1979

DOCKET NO. 050-0325
 UNIT NAME BRUNSWICK NO. 1
 DATE JANUARY 1980
 COMPLETED BY EDLIS A. WILLIS
 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
025	791221	F	2.1	B	1	N/A	SH	VALVEX	The unit was placed on the grid then separated from the grid for construction to make repairs to the safety relief valve modification (see outage No. 79-036).

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. 050-0325
UNIT: BRUNSWICK NO. 1
DATE: JANUARY 1980
COMPLETED BY: EULIS A. WILLIS

OPERATIONS SUMMARY

BRUNSWICK No. 1

Brunswick Unit No. 1 operated at 51.3% capacity factor for the month of December with three major interruptions.

DECEMBER 1: The unit was separated from the grid for 78.1 hours due to high drywell leakage from the Reactor Recirculation Suction and Discharge Valves.

DECEMBER 12: The unit was separated from the grid for 215 hours to perform a plant modification to add Safety Relief Valve positive indication system.

DECEMBER 21: The unit was separated from the grid for 2.1 hours in order to correct problems from the previous outage.

Total downtime for the unit was 296.2 hours resulting in a 60.2% availability factor. For more detailed information on individual outages, see Appendix D of this report.