

OPERATING STATUS REPORT

UNIT NO. 1  
 DATE 11/20/77  
 COMPLETED BY ROLIS HILLIS  
 TELEPHONE 919-457-6701

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1
  2. REPORTING PERIOD: OCTOBER 77
  3. LICENSED THERMAL POWER (MW): 2135
  4. NAMEPLATE RATING (GROSS MW): 357.0
  5. DESIGN ELECTRICAL RATING (NET MW): 321.0
  6. MAX DEPENDABLE CAPACITY (GROSS MW): 415.0
  7. MAX DEPENDABLE CAPACITY (NET MW): 390.0
- 
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 MW): NONE
10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YTD DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	745.0	7296.0	14233.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	745.0	6447.3	10699.3
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	1647.1
14. HOURS GENERATOR ON LINE	712.4	6262.5	10134.7
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MMBtu)	1629166.9	13930546.2	21849442.3
17. GROSS ELECTRICAL ENERGY GENERATED (MMWh)	548877.0	4624286.0	7246232.0
18. NET ELECTRICAL ENERGY GENERATED (MMWh)	532033.0	4465105.0	6980894.0
19. UNIT SERVICE FACTOR	99.7	85.8	71.6
20. UNIT AVAILABILITY FACTOR	99.7	35.8	71.6
21. UNIT CAPACITY FACTOR (USING ADC NET)	90.4	77.5	62.1
22. UNIT CAPACITY FACTOR (USING DER NET)	87.0	74.5	59.7
23. UNIT FORCED OUTAGE RATE	0.0	10.3	25.6
24. SHUTDOWNS SCHEDULED OVER NEXT 3 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
Recirculation Nozzle Inspection	78,11,24	60.0 Hours	
Refueling	79,02,24	1656.0 Hours	

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 01/01/0
26. UNITS IN TEST STATUS (PENDING TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY -----

INITIAL ELECTRICITY -----

COMMERCIAL OPERATION -----

7811160094



APPENDIX

DOCKET NO. 050-0325

UNIT Brunswick No. 1

DATE November 2, 1978

COMPLETED BY Eulis A. Willis

BRUNSWICK NO. 1

Brunswick No. 1 operated at 90.4% capacity factor for the month of October with one major power reduction for maintenance purposes and "load following" as per the dispatcher, keeping the unit from reaching full capacity.

October 5 - Power was reduced to clean stator cooling filters.

The monthly availability factor was 99.7% with the unit being off-line 2.6 hours on the first day of the month because of a required inspection (see Shutdowns and Power Reductions No. 033).

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325  
 UNIT NAME Brunswick No. 1  
 DATE November 1, 1978  
 COMPLETED BY Eulis A. Willis  
 TELEPHONE (919) 457-6701

REPORT MONTH October 1978

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
033	780924	S	2.6	D	1	N/A	ZZ	SUPPORT	To inspect snubbers located in the drywell as required by Technical Specifications. Overtime was worked. Inspected and repaired snubbers as necessary. An improved snubber test machine has been ordered which will reduce the time required for snubber tests. Also, procedural changes are being implemented which will put BSEP in line with NRC interpretation of inspection requirements. Replaced recirculation pump seals, replaced safety relief valve top works, and inspected recirculation pump discharge safe ends.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0325  
 UNIT NAME Brunswick No. 1  
 DATE November 2, 1978  
 COMPLETED BY Eulis A. Willis  
 TELEPHONE (919)457-6701

REPORT MONTH October 1978

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
034	781005	F	0	A	4	N/A	HA	FILTER	<p>Reduced power to clean stator cooling filters. After change out and cleaning filters, started increasing power and had to hold power at 59% due to being unable to place Reactor Feed Pump '1A' on line.</p> <p>Extensive trouble shooting of the 1A RFP motor gear unit control circuit resulted in replacing the motor on the MGU. After the maintenance was completed Unit No. 1 was returned to 100% power. The initial power reduction was to clean the stator cooling filters which had a differential pressure of 18 psig; normal <math>\Delta p</math> is less than 5 psid. Overtime was worked.</p>

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit C - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

UNIT STATUS REPORT

UNIT NO. 250-3324  
 DATE 11/01/77  
 COMPLETED BY ELLIS WILLIS  
 TELEPHONE 919-457-6701

OPERATING STATUS

1. UNIT NAME: SUESS UNIT 2
  2. REPORTING PERIOD: 11/01/77
  3. LICENSED THERMAL POWER (MW): 2436
  4. NAMEPLATE CAPACITY (GROSS MW): 2570.0
  5. DESIGN ELECTRICAL OUTPUT (MW): 2210.0
  6. MAX DEPENDABLE CAPACITY (GROSS MW): 2150.0
  7. MAX DEPENDABLE CAPACITY (NET MW): 1900.0
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS:
- 
9. POWER LEVEL TO WHICH REDUCED IF ANY (NET MW): 1900
  10. REASONS FOR REDUCTION IF ANY:

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	745.0	7225.0	26257.0
12. NUMBER OF TIMES UNIT WAS CRITICAL	225.0	6047.1	15014.0
13. REACTOR CONSERVE CREDITS AVAILABLE	0.0	0.0	0.0
14. HOURS GENERATOR OFF LINE	745.0	5770.5	16677.5
15. UNIT RESERVE AVAILABLE HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MMBtu)	1756618.6	12193034.2	29919783.9
17. GROSS ELECTRICAL ENERGY GENERATED (MMWh)	597727.0	4111249.0	9960959.0
18. NET ELECTRICAL ENERGY GENERATED (MMWh)	579573.0	3963017.0	9561800.0
19. UNIT SERVICE FACTOR	100.0	79.1	64.3
20. UNIT AVAILABILITY FACTOR	100.0	79.1	64.3
21. UNIT CAPACITY FACTOR (BASED ON NET)	89.5	59.2	46.1
22. UNIT CAPACITY FACTOR (BASED ON GROSS)	84.4	60.2	44.1
23. UNIT APPROXIMATE OUTFIT	0.0	7.4	15.1
24. SHUTDOWNS SCHEDULED (DATE, TIME, AND REASON FOR EACH):			

Refueling 79,01,13 1488.0 Hours

25. IS SECURITY AT ALL REPORTING PERIODS, INCLUDING DATE OF START UP: 0% 0% 0
26. UNITS IN TEST STATUS (DATE, TIME, REASON FOR TEST): FORECAST ACHIEVED

INITIAL CAPABILITY -----  
 INITIAL CREDITABILITY -----  
 COMMERCIAL OPERATION -----

APPENDIX II  
AVERAGE DAILY PCE BY LEVEL

PROJECT NO. 050-0324  
HAZARDOUS WASTE UNIT 2  
DATE 11/01/75  
COMPILED BY EQUIS MILLIS  
TELEPHONE 919-487-6701

OCTOBER 75

DAY	AVG. DAILY PCE <sup>20</sup> LEVEL (PCE-MET)	DAY	AVG. DAILY PCE <sup>20</sup> LEVEL (PCE-MET)
1	759.	17	769.
2	759.	18	792.
3	765.	19	791.
4	766.	20	791.
5	766.	21	787.
6	766.	22	787.
7	751.	23	752.
8	595.	24	797.
9	759.	25	795.
10	793.	26	793.
11	795.	27	763.
12	765.	28	773.
13	790.	29	789.
14	765.	30	794.
15	765.	31	791.
16	765.		

APPENDIX

DOCKET NO. 050-0324

UNIT Brunswick No. 2

DATE November 2, 1978

COMPLETED BY Eulis A. Willis

BRUNSWICK NO. 2

Brunswick No. 2 had an availability factor of 100% for the month of October, with a capacity factor of 98.5%. The only major power reduction occurred on October 7, when power was reduced for a periodic test and to clean condenser waterboxes (see Shutdowns and Power Reductions No. 29). The unit was also "load following" as per the dispatchers request, another factor which attributed to the unit not reaching full capacity.



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1978

DOCKET NO. 050-0324  
 UNIT NAME Brunswick No. 2  
 DATE November 2, 1978  
 COMPLETED BY Eulis H. Willis  
 TELEPHONE (919)457-6701

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
030	781007	F	0	B	4	N/A	HC	HTEXCH	<p>Reduced Reactor power for MSIV periodic test and waterbox 2A-North and 2A-South cleaning.</p> <p>Performed MSIV periodic test, cleaned 2A-North and 2A-South waterboxes, and returned to 100% power. Overtime was worked.</p>

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 Exhibit I - Same Source

