CP&L

Carolina Power & Light Company

Brunswick Nuclear Project
P. O. Box 10429
Southport, NC 28461-0429

MAR 1 0 1992

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U.S. Nuclear Regulatory Commission
Washington, DC 20555
Attn: Document Control Desk

BRUNSWICK STEAM ELECTRIC PLANT UNITS 1 AND 2
DOCKET NOS. 50-325 AND 50-324
LICENSE NOS. DPR-71 AND DPR-62
MONTHLY OPERATING REPORT

Gentlemen:

In accordarce with Technical Specification 6.9.1.11 for the Brunswick Steam Electric Plant, Units 1 and 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of February 1992.

Very truly yours,

J. W. Spencer, General Manager
Brunswick Nuclear Project

RDR/jlh
90-`041.MSC

Enclosures

cc: Ms. D. M. Aslett
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PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 1

DOCKET NO. 050-0325
COMPLETED BY RONALD RUMPLE
TELEPHONE (919)457-2752

FEBRUARY 1992

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	770	17	775
2	755	18	775
3	579	19	775
4	285	20	776
5	775	21	776
6	777	22	775
7	776	23	775
8	776	24	775
9	775	25	776
10	777	26	774
11	777	27	775
12	776	28	775
13	776	29	737
14	775		
15	775		
16	774		

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

DOCKET NO. 050-0325
COMPLETED BY RONALD RUMPLE
TELEPHONE (919)457-2752

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 1
2. REPORTING PERIOD: FEBRUARY 92
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): 791.0
7. MAX DEPENDABLE CAPACITY (NET MWE): 767.0

NOTES - There are 560 fuel bundles in the Reactor Core, 1090 BWR and 160 PWR spent fuel bundles in the fuel pool, and 0 fuel bundles in the new fuel storage vault.

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	CUMULATIVE
11. HOURS IN REPORTING PERIOD	696.00	1440.00	131088.00
12. NUMBER OF HOURS REACTOR CRITICAL	695.00	1383.35	86746.79
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	695.00	1369.78	83083.84
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1641131.25	3260572.36	180385807.79
17. GROSS ELEC. ENERGY GEN. (MWH)	538145.00	1072940.00	59156420.00
18. NET ELEC. ENERGY GENERATED (MWH)	521783.00	1040097.00	56933427.00
19. UNIT SERVICE FACTOR	99.86	95.12	63.38
20. UNIT AVAILABILITY FACTOR	99.86	95.12	63.38
21. UNIT CAP. FACTOR (USING MDC NET)	97.74	94.17	55.10
22. UNIT CAP. FACTOR (USING DER NET)	91.31	87.98	52.90
23. UNIT FORCED OUTAGE RATE	.14	4.87	15.33

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
Unit 1 is scheduled to be shutdown approximately 21 days in May for a periodic testing outage. The outage dates at present have not been established.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 3/6/92
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

	FORECAST	ACHIEVED
INITIAL CRITICALITY	--------	--------
INITIAL ELECTRICITY	--------	--------
COMMERCIAL OPERATION	--------	--------

DOCKET NO. 050-0325
UNIT NAME Brunswick 1
DATE March 1992
COMPLETED BY Ronald Rumple
TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH February 1992

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT NO.	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
92-007	920203	F	0	A	5	N/A	SJ	SPT	Reactor power was reduced to isolate 1-3B feedwater heater (FWH). Failed bolts were found on the heater head structural support. Root cause was found to be a lack of lateral supports on the extraction steam piping to this FWH.
92-011	920229	F	1.00	A	3	1-92-005	N/A To be included in next report	N/A To be included in next report	Reactor scrammed while control valve testing was in progress. Investigation is underway to determine the cause.

1: Type
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: System Code:
Instructions for preparation of data entry sheets for Licensee Event Report (LER) file from IEEE Standard 805-1983, per NUREG-1022, Section VI, Item 13.b

5: Component Code
Instructions for preparation of data entry sheets for LER file from IEEE Standard 803A-1983, per NUREG-1022, Section VI, Item 13.c

DOCKET NO. 050-0324
COMPLETED BY RONALD RUMPLE
TELEPHONE (919)457-2752

FEBRUARY 1992

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	686	17	644
2	130	18	645
3	-14	19	646
4	-13	20	637
5	-12	21	613
6	-12	22	601
7	-14	23	605
8	-13	24	605
9	-13	25	604
10	-13	26	604
11	-13	27	604
12	-13	28	604
13	-14	29	603
14	386		
15	634		
16	644		

DOCKET NO. 050-0324
COMPLETED BY RONALD RUMPLE
TELEPHONE (919)457-2752

OPERATING STATUS

1. UNIT NAME: BRUNSWICK UNIT 2
2. REPORTING PERIOD: FEBRUARY 92
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): 78..0
7. MAX DEPENDABLE CAPACITY (NET MWE): 754.0
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS:

NOTES -There are 560 fuel bundles in the Reactor Core, 1113 BWR and 144 PWR spent fuel bundles in the fuel pool, and 0 fuel bundles in the new fuel storage vault.

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE):
10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	696.00	1440.00	143112.00
12. NUMBER OF HOURS REACTOR CRITICAL	493.16	1159.35	90872.40
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	408.92	965.03	85918.52
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	780272.24	1916584.39	181847285.04
17. GROSS ELEC. ENERGY GEN. (MWH)	259810.00	635225.00	58819319.00
18. NET ELEC. ENERGY GENERATED (MWH)	248391.00	610387.00	56400859.00
19. UNIT SERVICE FACTOR	58.75	67.02	60.04
20. UNIT AVAILABILITY FACTOR	58.75	67.02	60.04
21. UNIT CAP. FACTOR (USING MDC NET)	47.33	56.22	50.05
22. UNIT CAP. FACTOR (USING DER NET)	43.47	51.63	48.00
23. UNIT FORCED OUTAGE RATE	11.25	22.93	13.49

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

Unit 2 is scheduled to be shutdown approximately 21 days beginning in March for repairs to the EHC System, Main Turbine, and 2B Reactor Feedpump. The outage dates at present have not been established.

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	--------	--------
COMMERCIAL OPERATION	--------	--------

DOCKET NO. 050-0324
UNIT NAME Brunswick 2
DATE March 1992
COMPLETED BY Ronald Rumple
TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH February 1992

NO.	DATE	TYPE (1)	DURATION (HOURS)	REASON (2)	METHOD OF SHUTTING DOWN REACTOR (3)	LICENSEE EVENT REPORT NO.	SYSTEM CODE (4)	COMPONENT CODE (5)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
92-015	920202	F	287.08	A	3	2-92-001	TG	ACC	Reactor scrammed during control valve testing due to Electrohydraulic Control (EHC) System failure. Suspected cause was air or nitrogen in the system caused by accumulator performance or venting. Repairs were performed on EHC and startup was commenced. However, the reactor was shut down before synchronizing to the grid due to repairs needed on 2B reactor feed pump. Repairs were completed but startup was prevented due to seismic evaluation needed on Foxboro cabinets. After evaluation was completed, the unit was started up on 2/14/92 and synchronized to the grid.

1: Type
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: System Code:
Instructions for preparation of data entry sheets for Licensee Event Report (LER) file from IEEE Standard 805-1983, per NUREG-1022, Section VI, Item 13.b

5: Component Code
Instructions for preparation of data entry sheets for LER file from IEEE Standard 803A-1983, per NUREG-1022, Section VI, Item 13.c