



Carolina Power & Light Company

Brunswick Nuclear Project
P. O. Box 10429
Southport, NC 28461-0429
JAN 13 1992

FILE: B09-13510C

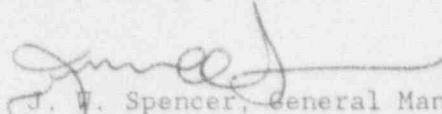
U.S. Nuclear Regulatory Commission
Washington, DC 20555
Attn: Document Control Desk

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 accordance 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 December 1991.

Very truly yours,


J. W. Spencer, General Manager
Brunswick Nuclear Project

RDR/mcg
90-0041.MSC

Enclosures

cc: Ms. D. M. Aslett
Mr. T. C. Bell
Mr. R. M. Coats
Mr. S. D. Ebnetter
Ms. R. S. Gatewood
Mr. M. D. Hill
Mr. N. B. Le
Mr. W. R. Murray
Mr. R. G. Oehl
Mr. R. L. Prevatte
Mr. R. B. Starkey
Mr. F. Yost
INPO

Cent No
P050523217

IF24
11

CP&L CD
RUN DATE 01/04/92
RUN TIME 10:57:40

PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 1

PAGE 1
RFD39-000

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

DECEMBER 1991

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	779	17	781
2	780	18	781
3	778	19	781
4	780	20	781
5	781	21	781
6	780	22	780
7	781	23	781
8	762	24	781
9	781	25	781
10	780	26	779
11	782	27	781
12	781	28	780
13	781	29	778
14	780	30	780
15	779	31	781
16	781		

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

OPERATING STATUS

- | | | | |
|---|--|------------------------------------|--|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | | NOTES- There are 560 fuel | |
| 2. REPORTING PERIOD: DECEMBER 91 | | bundles in the Reactor Core, 1090 | |
| 3. LICENSED THERMAL POWER (MWT): 2436 | | 5WR and 160 PWR spent fuel bundles | |
| 4. NAMEPLATE RATING (GROSS MWE): 867.0 | | in the fuel pool, and no fuel | |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 821.0 | | bundles in the new fuel storage | |
| 6. MAX DEPENDABLE CAPACITY (GROSS MWE): 791.0 | | vault. | |
| 7. MAX DEPENDABLE CAPACITY (NET MWE): 767.0 | | | |
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):
 10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	8760.00	129643.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	6061.28	85363.44
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	744.00	5850.82	81714.06
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1807718.57	13927592.25	177125235.43
17. GROSS ELEC. ENERGY GEN. (MWH)	597299.00	4550005.00	58083480.00
18. NET ELEC. ENERGY GENERATED (MWH)	580182.00	4390936.00	55893330.00
19. UNIT SERVICE FACTOR	100.00	66.79	63.03
20. UNIT AVAILABILITY FACTOR	100.00	66.79	63.03
21. UNIT CAP. FACTOR (USING MDC NET)	101.67	65.35	54.68
22. UNIT CAP. FACTOR (USING DER NET)	94.98	61.05	52.51
23. UNIT FORCED OUTAGE RATE	.00	20.86	15.48
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

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	-----	-----

CP&L CD
RUN DATE 01/04/92
RUN TIME 10:57:40

PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
BRUNSWICK UNIT 2

PAGE 2
RFD39-000

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

DECEMBER 1991

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-9	17	-15
2	-9	18	-15
3	-8	19	-15
4	-6	20	-15
5	-9	21	-15
6	-10	22	-13
7	-10	23	-12
8	-12	24	-12
9	-13	25	-12
10	-11	26	-13
11	-11	27	-12
12	-11	28	-12
13	-12	29	-11
14	-14	30	-10
15	-16	31	-11
16	-16		

CP&L CO
 RUN DATE 01/04/92
 RUN TIME 10:57:42

PLANT PERFORMANCE DATA SYSTEM
 OPERATING DATA REPORT
 BRUNSWICK UNIT 2

PAGE 2
 RPD36-000

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

OPERATING STATUS

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. UNIT NAME: BRUNSWICK UNIT 2 2. REPORTING PERIOD: DECEMBER 91 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): 782.0 7. MAX DEPENDABLE CAPACITY (NET MWE): 754.0 | <p>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.</p> |
|---|---|

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	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	8760.00	141672.00
12. NUMBER OF HOURS REACTOR CRITICAL	198.30	5236.24	89713.05
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	.00	4961.23	84953.49
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	11807950.69	179930700.65
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	3796955.00	58184094.00
18. NET ELEC. ENERGY GENERATED (MWH)	-8870.00	3641166.00	55790472.00
19. UNIT SERVICE FACTOR	.00	56.64	59.96
20. UNIT AVAILABILITY FACTOR	.00	56.64	59.96
21. UNIT CAP. FACTOR (USING MDC NET)	-1.58	55.13	49.99
22. UNIT CAP. FACTOR (USING DER NET)	-1.45	50.63	47.97
23. UNIT FORCED OUTAGE RATE	.00	18.59	13.37
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 1/3/92
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 January 1992
 COMPLETED BY Ronald Ruple
 TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH December 1991

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
91-048	910911	S	744.0	C	4 Continued from previous month	N/A	N/A	N/A	Refueling/Maintenance Outage

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. 950-0324
 UNIT NAME Brunswick 2
 DATE January 1992
 COMPLETED BY Ronald Rumpke
 TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH December 1991

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
91-049	911217	F	0	H	3	2-91-021	N/A	N/A	Faulty test equipment caused High Pressure Coolant Injection System actuation resulting in cold water injection and high neutron flux signal. This in turn resulted in an automatic scram.

- 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

