

CP&L

Carolina Power & Light Company

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

February 5, 1991

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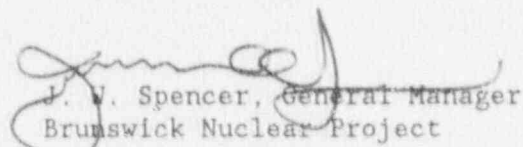
U.S. Nuclear Regulatory Commission
Washington, DC 20555
Attn: Document Control Desk

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 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 January 1991.

Very truly yours,


J. V. Spencer, General Manager
Brunswick Nuclear Project

RDR/ah
90-0041.MSC

Enclosures

Amor
R2A
cc: Ms. D. M. Aslett
Mr. T. C. Bell
Mr. R. M. Coats
Mr. S. D. Ebnetter
Mr. M. D. Hill
Mr. N. B. Le
Mr. W. R. Murray
Mr. R. G. Oehl
Mr. R. L. Prevatte
Mr. R. B. Starkey
INPO

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PDR AD00K 05000324
R PDR

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11

CP&L CO
RUN DATE '02/04/91
RUN TIME 14:48:02

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

JANUARY 1991

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

DOCKET NO. 050-0725
 COMPLETED BY RONALD RUMPLE
 TELEPHONE (919)457-2752

OPERATING STATUS

- | | | |
|---|--|------------------------------------|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | | NOTES - There are 560 fuel bundles |
| 2. REPORTING PERIOD: JANUARY 91 | | in the Reactor Core. There are |
| 3. LICENSED THERMAL POWER (MWT): 2436 | | 1090 BWR and 160 PWR spent fuel |
| 4. NAMEPLATE RATING (GROSS MWE): 867.0 | | bundles in the Fuel Pool. There |
| 5. DESIGN ELECTRICAL RATING (NET MWE): 821.0 | | are no fuel bundles in the new |
| 6. MAX DEPENDABLE CAPACITY (GROSS MWE): 815.0 | | Fuel Storage Vault. |
| 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 IF ANY (NET MWE):
 10. REASONS FOR RESTRICTION IF ANY:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	744.00	121632.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	.00	79302.16
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	.00	.00	75863.24
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	.00	163197643.18
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	.00	53533475.00
18. NET ELEC. ENERGY GENERATED (MWH)	-2413.00	-2413.00	51499981.00
19. UNIT SERVICE FACTOR	.00	.00	62.37
20. UNIT AVAILABILITY FACTOR	.00	.00	62.37
21. UNIT CAP. FACTOR (USING MDC NET)	-.41	-.41	53.60
22. UNIT CAP. FACTOR (USING DER NET)	-.40	-.40	51.57
23. UNIT FORCED OUTAGE RATE	.00	.00	15.04
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: 02/20/91
 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY	-----	-----
INITIAL ELECTRICITY	-----	-----
COMMERCIAL OPERATION	-----	-----

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE Feb. 1991
 COMPLETED BY Ronald Rumble
 TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH January 1991

NO.	DATE	TYPE 1	DURATION (HOURS)	REASON 2	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE 4	COMPONENT CODE 5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
*91-001	910101	S	744.0 (in progress)	C	4		RC	Fuel XX	Refuel/maintenance outage
*This is a continuation of event 90-069 from the previous year.									

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 - Continuations
 5 - Load reductions
 6 - Other

4: EXHIBIT G -
 Instructions for preparation of data entry sheets for Licensee Event Report (LER) file (NUREG-0161)

5: EXHIBIT I -
 Same source

CP&I CO
RUN DATE 02/04/91
RUN TIME 14:48:02

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

PAGE 2
RPD39-000

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

JANUARY 1991

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	773	17	772
2	773	18	772
3	773	19	618
4	775	20	543
5	775	21	571
6	763	22	753
7	776	23	771
8	777	24	773
9	774	25	255
10	775	26	-13
11	773	27	-13
12	773	28	-13
13	734	29	-14
14	771	30	-15
15	772	31	46
16	771		

CP&L CO
 RUN DATE 02/04/91
 RUN TIME 14:48:05

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

- | | |
|---|--|
| 1. UNIT NAME: BRUNSWICK UNIT 2
2. REPORTING PERIOD: JANUARY 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): 815.0
7. MAX DEPENDABLE CAPACITY (NET MWE): 790.0
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS: | NOTES - There are 560 fuel
 bundles in the Reactor Core. There
 are 1072 BWR and 144 PWR spent fuel
 bundles in the Fuel Pool. There
 are no fuel bundles in the new
 Fuel Storage Vault.
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|---|--|

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	744.00	133656.00
12. NUMBER OF HOURS REACTOR CRITICAL	608.70	608.70	85085.51
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	590.58	590.58	80582.84
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	1382159.12	1382159.12	169504909.08
17. GROSS ELEC. ENERGY GEN. (MWH)	450445.00	450445.00	54837584.00
18. NET ELEC. ENERGY GENERATED (MWH)	435194.00	435194.00	52584500.00
19. UNIT SERVICE FACTOR	79.38	79.38	60.29
20. UNIT AVAILABILITY FACTOR	79.38	79.38	60.29
21. UNIT CAP. FACTOR (USING MDC NET)	74.04	74.04	49.80
22. UNIT CAP. FACTOR (USING DER NET)	71.25	71.25	47.92
23. UNIT FORCED OUTAGE RATE	20.62	20.62	13.09
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	-----	-----

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE Feb. 1991
 COMPLETED BY Ronald Rumpke

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH January 1991

NO.	DATE	TYPE 1	DURATION (HOURS)	REASON 2	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE 4	COMPONENT CODE 5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
91-004	910119	F		A	5				Reduced power due to circulating water leak on B-S water box outlet. Installed patch.

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 - Continuations
 5 - Load reduction
 6 - Other

4: EXHIBIT G -
 Instructions for preparation of data entry sheet's for Licensee Event Report (LER) file (NUREG-0161)

5: EXHIBIT I -
 Same source

DOCKET NO. 050-0324
 UNIT NAME Brunswick 2
 DATE Feb. 1991
 COMPLETED BY Ronald Rumble

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH January 1991

NO.	DATE	TYPE 1	DURATION (HOURS)	REASON 2	METHOD OF SHUTTING DOWN REACTOR	LICENSEE EVENT REPORT NO.	SYSTEM CODE 4	COMPONENT CODE 5	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
91-005	910125	F	153.42	H	3				Reactor scrambled due to I&C technician error while performing periodic calibration.

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
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