



Carolina Power & Light Company

Brunswick Nuclear Plant
P. O. Box 10429
Southport, NC 28461-0429
April 2, 1993

FILE: B09-13510C
BSEP/93-0050

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 March 1993.

Very truly yours,

R. E. Morgan, Plant Manager - Unit 1
Brunswick Nuclear Plant

RHR/mcg
MSC/93-8524

Enclosures

cc: Mr. R. A. Anderson
Mr. T. C. Bell
Mr. R. M. Coats
Mr. S. D. Ebnetter
Mr. P. S. Gore
Mr. M. D. Hill
Mr. C. S. Hinnant
Mr. N. B. Le
Mr. R. E. Morgan
Ms. Peggy Morris
Mr. W. R. Murray

Mr. R. G. Oehl
Mr. R. M. Parsons
Mr. R. L. Prevatte
Mr. E. Scott
Mr. M. S. Staton
Ms. T. A. Ward
Mr. C. C. Warren
Mr. D. B. Waters
Mr. F. Yost
INPO
Regulatory Compliance (Document File)

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

PAGE 1
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DOCKET NO. 050-0325
COMPLETED BY RONALD RUMPLE
TELEPHONE (919) 457-2752

MARCH 1993

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

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PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 1

PAGE 1
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DOCKET NO. 050-0325
COMPLETED BY RONALD RUMPLE
TELEPHONE (919)457-2752

OPERATING STATUS

- | | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 1 | |
| 2. REPORTING PERIOD: MARCH 93 | |
| 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 | |
| 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	2160.00	140592.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	.00	87881.32
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	1647.10
14. HOURS GENERATOR ON LINE	.00	.00	84201.37
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	.00	183021943.70
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	.00	60019285.00
18. NET ELEC. ENERGY GENERATED (MWH)	-6284.00	-19818.00	57697388.00
19. UNIT SERVICE FACTOR	.00	.00	59.89
20. UNIT AVAILABILITY FACTOR	.00	.00	59.89
21. UNIT CAP. FACTOR (USING MDC NET)	-1.10	-1.20	52.16
22. UNIT CAP. FACTOR (USING DER NET)	-1.03	-1.12	49.99
23. UNIT FORCED OUTAGE RATE	.00	.00	16.07
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: 9/1/93
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 April 1993
 COMPLETED BY Ronald Rumble
 TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH March 1993

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
*93-001	920530	S	168.0	B	4 Continued from previous month	1-92-12	ZZ	ZZZZZZ	To complete the scheduled maintenance outage for backlog reduction. Also, structural inspections continued.

*This event was previously 92-024.

- | | | | | |
|----------------|---|---------------------|---------------------------|--------------------------|
| 1: <u>Type</u> | 2: <u>Reason</u> | 3: <u>Method</u> | 4: <u>System Code:</u> | 5: <u>Component Code</u> |
| F - Forced | A - Equipment Failure (explain) | 1 - Manual | Instruction for | Instructions for |
| S - Scheduled | B - Maintenance or test | 2 - Manual Scram | preparation of data entry | preparation of data |
| | C - Refueling | 3 - Automatic scram | sheets for Licensee Event | entry sheets for LER |
| | D - Regulatory restriction | 4 - Continuations | Report (LER) file from | file from IEEE |
| | E - Operator Training & License Examination | 5 - Load reductions | IEEE Standard 805-1983, | Standard 803A-1983, |
| | F - Administrative | 6 - Other | per NUREG-1022, | per NUREG-1022, |
| | G - Operational error (explain) | | Section VI, Item 13.b | Section VI, Item 13.c |
| | H - Other (explain) | | | |

DOCKET NO. 050-0325
 UNIT NAME Brunswick 1
 DATE April 1993
 COMPLETED BY Ronald Rumpie
 TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH March 1993

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
93-002	930308	S	576.0	C	6	N/A	ZZ	ZZZZZZ	Normal refueling 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:
 Instruction for
 preparation of data entry
 sheets for Licensee Event
 Report (LEO) 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

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RUN DATE 04/01/93
RUN TIME 10:04:38

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

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

MARCH 1993

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

CP&L CO
RUN DATE 04/01/93
RUN TIME 10:04:39

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
BRUNSWICK UNIT 2

PAGE 2
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DOCKET NO. 050-0324
COMPLETED BY RONALD RUMPLE
TELEPHONE (919)457-2752

OPERATING STATUS

- | | NOTES |
|---|-------|
| 1. UNIT NAME: BRUNSWICK UNIT 2 | |
| 2. REPORTING PERIOD: MARCH 93 | |
| 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 | |
| 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	2160.00	152616.00
12. NUMBER OF HOURS REACTOR CRITICAL	.00	.00	92091.38
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	.00
14. HOURS GENERATOR ON LINE	.00	.00	87154.67
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	.00
16. GROSS THERMAL ENERGY GEN. (MWH)	.00	.00	184126854.86
17. GROSS ELEC. ENERGY GEN. (MWH)	.00	.00	59550469.00
18. NET ELEC. ENERGY GENERATED (MWH)	-6417.00	-17748.00	57029812.00
19. UNIT SERVICE FACTOR	.00	.00	57.11
20. UNIT AVAILABILITY FACTOR	.00	.00	57.11
21. UNIT CAP. FACTOR (USING MDC NET)	-1.14	-1.09	47.58
22. UNIT CAP. FACTOR (USING DER NET)	-1.05	-1.00	45.52
23. UNIT FORCED OUTAGE RATE	.00	.00	13.51
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: 4/26/93
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 April 1993
 COMPLETED BY Ronald Rumble
 TELEPHONE 919-457-2752

UNIT SHUTDOWNS AND POWER REDUCTIONS
 REPORT MONTH March 1993

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
*93-001	920430	S	744.0	B	4 Continued from previous month	1-92-12	TG	XC	To complete the scheduled maintenance outage for backlog reduction. Also, structural inspections continued.

*This event was previously 92-025.

1: <u>Type</u>	2: <u>Reason</u>	3: <u>Method</u>	4: <u>System Code:</u>	5: <u>Component Code</u>
F - Forced	A - Equipment Failure (explain)	1 - Manual	Instruction for	Instructions for
S - Scheduled	B - Maintenance or test	2 - Manual Scram	preparation of data entry	preparation of data
	C - Refueling	3 - Automatic scram	sheets for Licensee Event	entry sheets for LER
	D - Regulatory restriction	4 - Continuations	Report (LEO) file from	file from IEEE
	E - Operator Training & License Examination	5 - Load reductions	IEEE Standard 805-1983,	Standard 803A-1983,
	F - Administrative	6 - Other	per NUREG-1022.	per NUREG-1022,
	G - Operational error (explain)		Section VI, Item 13.b	Section VI, Item 13.c
	H - Other (explain)			