APPENDIX

DOCKET NO.: 050-325 UNIT: Brunswick No. 1 DATE: March 1984 COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 1

Brunswick Unit 1 operated at a 76.32% availability factor for the month of March with a 72.23% capacity factor. There were two off-line outages and two power reductions. Details are in Appendix D, The Unit Shutdown and Power Reduction Log.

There are 656 BWR and 160 PWR spent fuel bundles in the Brunswick No. 1 fuel pool.

APPENDIX B AVERAGE DAILY POWER LEVEL

DOCKET ND. 050-0325 UNIT BRUNSWICK UNIT 1 DATE 04/06/84 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

MARCH	1984		
DAY A	NVG. DAILY POWER LEVEL (MWE-NET)	DAY AVG.	DAILY POWER LEVEL (MWE-NET)
1	795	17	776
2	742	18	785
3	-8	19	· 783
4	-8	20	785
5	-6	21	784
6	-6	22	785
7	-7	23	784
8	-8	24	734
9	-10	25	777
10	176	26	783
11	614	27	785
12	716	28	785
13	759	29	785
14	770	30	785
15	785	31	685
16	785		

OPERATING DATA REPORT

DOCKET ND. 050-0325 DATE 04/06/84 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

OPERATING STATUS

1.	UNIT NAME: BRUNSWICK UNIT 1	I NOTES
2.	REPORTING PERIOD: MARCH 84	1
3.	LICENSED THERMAL POWER (MWT): 2436	1
4	NAMEPLATE RATING (GROSS MWE): 867.0	1
5.	DESIGN ELECTRICAL RATING (NET MWE): 821.0	1
6.	MAX DEPENDABLE CAPACITY (GROSS MWE): 815.0	1 - 1
7.	MAX DEPENDABLE CAPACITY (NET MWE): 790.0	vine one toge loss toge and toge loss toge loss toge loss and many toge loss the loss toge row and man the loss the loss one row and row loss toge loss and row loss toge loss
8	IF CHANGES OCCUR IN CAPACITY RATINGS (ITEM	S 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	YR TO	CUMUL
		MONTH	DATE	ATIVE
11	HOURS IN REPORTING PERIOD	744.00	2184.00	61705.00
	NUMBER OF HOURS REACTOR CRITICAL		1948.08	38346.06
		. 00		1647.10
	HOURS GENERATOR ON LINE		1903.83	35992.36
	UNIT RESERVE SHUTDOWN HOURS		. 00	. 00
	GROSS THERMAL ENERGY GEN. (MUH)		4492362.07	72919656.64
	GROSS ELEC. ENERGY GEN. (MWH)		1503436.00	24050487.00
	NET ELEC. ENERGY GENERATED (MWH)		1462944.00	23076784.00
19.	UNIT SERVICE FACTOR	76.32	87.17	58.33
20.	UNIT AVAILABILITY FACTOR	76.32	87.17	58.33
	UNIT CAP. FACTOR (USING MDC NET)		84.79	47.34
22.			81.59	45.55
23.	UNIT FORCED OUTAGE RATE		5.22	
	SHUTDOWNS SCHED. OVER NEXT 6 MONTHS		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): FORCAST ACHEIVED

INITIAL CRITICALITY	anan anna mari man anna anna anna man	And and acts and one over any date were
INITIAL ELECTRICITY	very new limit data and your limit	
COMMERCIAL OPERATION	1944 JULY 2000 1991 1999 ADM ADM 2001 1993	ana ana ana ana ana ana ana ana ana

DOCKET NO. 050-0325 UNITNAME Brunswick I DATE _April 1984 COMPLETED BY Frances Harrison TELEPHONE (919)457-9521 TELEPHONE

REPORT MONTH March 1984

No	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor3	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
84-017	840303	S	175.19	В	1	NA	CB	PUMPXX	Outage-1B Rx Recirc Pump Seal Replace- ment. Two stage mechanical seal on the 1B reactor recirc pump was replaced with a new assembly.
	orced theduled	B-M: C-Re D-Re E-Op F-Ac	quipment Fa aintenance o efueling egulatory Re	or Test estrictio ning & e	on License Exa		3-Aut 4-Co 5-Lo		0161)

6-Other

Exhibit 1 - Same Source

G-Operational Error (Explain) H-Other (Explain)

DOCKET NO. UNIT NAME DATE COMPLETED BY DATE Frances Harrison

TELEPHONE

(919)457-9521

REPORT MONTH March 1984

No	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensec Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
34-019	840311	S	00	В	5	NA			Reduced power 60% for rod improvement
F: Fo S: Sc	rced heduled	C-Re D-Re E-Op	on: auipment F aintenance efueling egulatory R perator Tra dministrativ	estrictio ining & l	n		3-Auto /4-Cor		ons 0161)

6-Other

Exhibit I - Same Source

(9/77)

G-Operational Error (Explain) H-Other (Explain)

DOCKET NO. 050-0325

REPORT MONTH March 1984

UNITNAME Brunswick I DATE April 1984 COMPLETED BY Frances Harrison TELEPHONE (919)457-9521

No	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Cude ⁵	Cause & Corrective Action to Prevent Recurrence
34-021	840324	S	00	В	5	NA	ZZ	ZZZZZZ	Reduced power for routine valve testing and SPE work.

F Forced	Reason	Method:	Exhibit G - Instructions
S Scheduled	A-Equipment Failure (Explain)	1-Manual	for Preparation of Data
	B-Maintenance or Test	2-Manual Scram.	Entry Sheets for Licensee
	C-Refueling	3-Automatic Scram.	Event Report (LER) File (NUREC
	D-Regulatory Restriction E-Operator Training & License Examination	4-Continuations	0161)
	F-Administrative	5-Load Reductions	5
	G-Operational Error (Explain)	6-Other	Exhibit 1 - Same Source
(9/777	H-Other (Explain)		

DOCKET NO. UNIT NAME DATE COMPLETED BY

TELEPHONE

050-0325 P-0325	
Brunswic April 19	<u>k I</u> 84
	Harrison
(919)45	7-9521

REPORT MONTH March 1984

N.	Date	Type ^I	Duration (Hours)	Reason?	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Cude ⁵	Cause & Corrective Action to Prevent Recurrence
84-025	830331	F	In Progres	H S	3	NA	ZZ	Valvexx	Rx Scram-loss of instrument air to radwaste which resulted in CFD effluent valves to go shut and the bypass failure to open.
1 F Fc S Sc (9/77)	nced heduled	B-M C-R D-R E-O F-A G-O	son: quipment Fa aintenance o efueling egulatory Re perator Train dministrative perational E ther (Explain	or Test estrictio ning & L e rror (Ex	n License Exa		3-Aut 4-Co	ual oual Scram. omatic Scram. ntinuation ad Reducti	0161)

APPENDIX B AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0324 UNIT BRUNSWICK UNIT 2 DATE 04/06/84 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

MARCH	1984		
DAY AVG.	DAILY POWER LEVEL (MWE-NET)	DAY A	VG. DAILY POWER LEVEL (MWE-NET)
1	734	17	-9
2	732	18	-8
3	735	19	-10
4	747	20	-10
5	743	21	-9
6	739	22	9
7	741	23	-8
8	736	24	-7
9	734	25	-7
10	733	26	-7
11	687	27	-6
12	6	28	-6
13	-8	29	-6
14	-8	30	-6
15	-8	31	-6
16	-9		

OPERATING DATA REPORT

DOCKET ND. 050-0324 DATE 04/06/84 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

OPERATING STATUS

		tern and and they are been and they are and they are been and they are they day and they have been been been been and they are and they been and they are are and they
1.	UNIT NAME: BRUNSWICK UNIT 2	I NOTES I
2.	REPORTING PERIOD: MARCH 84	1 All the second se
3.	LICENSED THERMAL POWER (MWT): 2436	
4.	NAMEPLATE RATING (GROSS MWE): 867.0	
	DESIGN ELECTRICAL RATING (NET MWE): 821.0	
6.	MAX DEPENDABLE CAPACITY (GROSS MWE): 815.0	I share the second s
7.	MAX DEPENDABLE CAPACITY (NET MWE): 790.0	and the law has not out and out out out out the out into the law the law out the law has not the out the out the law to out
0	TE PUANCES OPPHD IN PAPAPITY DATINGS (TTEM	C 7 THELL 7) STNEE LAST REPORT.

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
12. N 13. R 14. H 15. U	OURS IN REPORTING PERIOD UMBER OF HOURS REACTOR CRITICAL EACTOR RESERVE SHUTDOWN HRS OURS GENERATOR ON LINE NIT RESERVE SHUTDOWN HOURS ROSS THERMAL ENERGY GEN. (MWH)	744.00 265.93 .00 265.93 .00 610831.87	2184.00 1604.33 .00 1566.99 .00 3355120.34	73729.00 46331.75 .00 43352.46 .00 81931841.36
17. G 18. N	ROSS ELEC. ENERGY GEN. (MWH) ET ELEC. ENERGY GENERATED (MWH)	200061.00 190052.00	1110430.00	27220128.00 26099025.00 58.80
20. U	NIT SERVICE FACTOR NIT AVAILABILITY FACTOR NIT CAP. FACTOR (USING MDC NET)	35.74	71.75 62.09	58.80 44.81
23. U	the subset of a state subset of the second state of the second sta	31.11 .00 (TYPE, DATE,	2.22	43.12 15.54 OF EACH):

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORCAST ACHEIVED

INITIAL CRITICALITY		
INITIAL ELECTRICITY		and this the pix has see and the
COMMERCIAL OPERATION	HART MARE MARE AND AND AND	ALL SHE HER AND MC AND BOD TO

APPENDIX

DOCKET NO.: 050-324 UNIT: Brunswick No. 2 DATE: March 1984 COMPLETED BY: Frances Harrison

OPERATIONS SUMMARY BRUNSWICK UNIT 2

Brunswick Unit 2 operated at a 35.74% availability factor for the month of March with a 32.33% capacity factor. There was one planned off-line outage. Details are in Appendix D, The Unit Shutdowns and Power Reduction Log. The unit operated at reduced power due to first stage drain tank east MSR manway gasket leak.

There are 656 BWR and 160 PWR spent fuel bundles in the Brunswick No. 1 fuel pool.

DOCKET NO. UNIT NAME DATE COMPLETED BY

TELEPHONE

050-0324 Brunswick II April 1984 Frances Harrison (919)457-9521

REPORT MONTH March 1984

No Date	Type ¹	Duration (Hours)	Reason 2	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
4-020 840313	S	In Progres:	C S	1	NA	RC	FUELXX	Refueling/Maintenance Outage

(9/77)

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)

i Manual 2-Manual Scram. 3-Automatic Scram.

4-Continuations 5-Load Reductions 6-Other

for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

Exhibit I - Same Source

5



Carolina Power & Light Company

Brunswick Steam Electric Plant P. O. Box 10429 Southport, NC 28461-0429

April 2, 1984

FILE: B09-13510C SERIAL: BSEP/84-0936

Mr. R. C. DeYoung, Director Office of Inspection & Enforcement U. S. Nuclear Regulatory Commission Washington, DC 20555

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

Dear Mr. DeYoung:

In accordance with Technical Specification 6.9.1.6 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 1984.

Very truly yours,

C. R. Dietz, General Manager Brunswick Steam Electric Plant

FH/mcg/LETJA

Enclosures

cc: Ms. J. C. Baker Mr. S. W. McDowell Mr. J. P. O'Reilly Mr. S. L. Rosen

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