APPENDIX B AVERAGE DAILY POWER LEVEL

DOCKET NO. 050-0325 UNIT BRUNSWICK UNIT 1 DATE 03/02/84 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

FEBRUARY	1984		
DAY AVG.	DAILY POWER LEVEL (MWE-NET)	DAY AU	3. DAILY POWER LEVEL (MWE-NET)
1	-12	17	794
2	-11	18	769
3	-12	19	792
4	249	20	793
5	665	21	797
6	747	22	795
7	795	23	795
8	795	24	791
9	795	25	779
10	798	26	790
11	783	27	790
12	794	28	788
13	698	29	794
14	784		
15	795		
16	793		

1.16 - 8

8403130333 840229 PDR ADUCK 05002324 R PDR

DOCKET NO. 050-0325 DATE 03/02/84 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

OPERATING STATUS

		and one bill and har may not have state and and have been have been been been been been been been be
1	. UNIT NAME: BRUNSWICK UNIT 1	I NOTES I
2	. REPORTING PERIOD: FEBRUARY 84	I show the second se
3	LICENSED THERMAL POWER (MWT): 2436	1
4	NAMEPLATE RATING (GROSS MWE): 867.0	
5	. DESIGN ELECTRICAL RATING (NET MWE): 821.0	La seconda de la companya de la comp
6	MAX DEPENDABLE CAPACITY (GROSS MWE): 815.0	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
7	. MAX DEPENDABLE CAPACITY (NET MWE): 790.0	The real controls and the test test and test test test test test test test tes

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		CUMUL
12. 13. 14. 15. 16.	HOURS GENERATOR ON LINE UNIT RESERVE SHUTDOWN HOURS GROSS THERMAL ENERGY GEN. (MWH)	641.13 .00 614.27 .00 1447182.78	1362.86 00 1336.00 00 3172513.88	37760.84 1647.10 35424.53 .00 71599808.45
	GROSS ELEC. ENERGY GEN. (NWH) NET ELEC. ENERGY GENERATED (MWH)			
19.	UNIT SERVICE FACTOR UNIT AVAILABILITY FACTOR	88.26 88.26	92.78 92.78	58.11
21.	UNIT CAP. FACTOR (USING MDC NET)	86.09 82.84	91.28 87.84	45.26
23. 24.	UNIT FORCED OUTAGE RATE SHUTDOWNS SCHED. OVER NEXT 6 MONTHS	11.74 S (TYPE, DATE,	AND DURATION	OF EACH):

REPLACING SEALS ON 3/3 - 3/10/84 7 DAYS RECIRC PUMP

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

COMMERCIAL OPERATION

APPENDIX

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

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 1

Brunswick Unit No. 1 operated at an 88.26% availability factor for the month of February with an 86.09% capacity factor. There was one off-line outage and three power reductions. Details are in Appendix D, The Unit Shutdowns and Power Reduction Log.

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

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M	ar	c	h	1	98	4			
F	ra	n	C€	s	H	aı	r	is	on
0	91	9	14	5	7-	93	52	1	

REPORT MONTH February 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
84–006	01-31-84	F	104.00	A	2	NA	XX	VESSEL	Unit separated from grid to find/secur of drywell floor and equipment drain leakage and repair.
	l brced heduled	B-M C-R D-R E-O F-A G-O	son: quipment Fa aintenance o efueling egulatory R perator Trai dministrativ perational E ther (Explai	or Test estrictio ning & l e fror (E:	n License Ex		3-Aut 4-Co	nual onal Scram. omatic Scram. Intinuation ad Reduction	

DOCKET NO. 050-0325 UNIT NAME Brunswick I DATE March 1984

COMPLETED BY TELEPHONE (919)457-9521

REPORT MONTH February 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
84-009	02-13-84 °	F	.00	В	5	NA	СВ	PUMPXX	Removed 1A Rx Feedpump from service to allow I&C to check out MGU.
1 F: Fo S: Scl	rced heduled	B-Ma C-Re D-Re E-Op F-Ac G-Op	uipment Fa aintenance o fueling egulatory Ro	or Test estriction ning & L e rror (Ex	n License Exan	nination	3-Aut 4-Co	ual aal Scram. omatic Scram. ntinuation ad Reductio	

REPORT MONTH February 1984

DOCKET NO. 050-0325 Brunswick T UNIT NAME

DATE March 1984 COMPLETED BY TELEPHONE (919)457-9521

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor 3	Licensee Event Report #	Custant	Code4	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
84-010	02-18-84	F	.00	A	5	NA				r due to Hi D/P across APRM Upscale.
1 F: Fo S: Sch	rced ieduled	B-Ma C-Re D-Re E-Op F-Ac G-O	uipment Fa aintenance o fueling egulatory R	or Test estrictio ning & 1 e rror (Ex	n License Exar	nination	123	3-Autor 4-Con	al al Scram. matic Scram. tinuations d Reductic	Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161) Exhibit 1 - Same Source

DOCKET NO. UNIT NAME DATE COMPLETED BY TELEPHONE 050-0325 Brunswick 1 March 1984 Frances Harrison (919)457-9521

REPORT MONTH February 1984

\$ <u>0</u> ,	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
84-011	02-25-84	S	.00	В	5	NA			Control Rod operability comp. 100% rod pattern.
F: Fo S: Scl	rced heduled	B-Ma C-Re D-Re E-Op F-Ad G-Op	on: uipment Fa intenance o fueling gulatory Re erator Trair ministrative perational Ei her (Explain	r Test estriction ting & L tror (Ex	n license Exai		3-Auto 4-Cor	ual dal Scram. omatic Scram. nt inuation ad Reductio	

APPENDIX B AVERAGE DAILY POWER LEVEL

DOCKET ND. 050-0324 UNIT BRUNSWICK UNIT 2 DATE 03/02/84 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

FEBRUARY	1984		
DAY AVG	DAILY POWER LEVEL (MWE-NET)	DAY AV	G. DAILY POWER LEVEL (MWE-NET)
1	721	17	746
2	734	18	705
3	736	19	752
4	717	20	741
5	734	21	739
6	735	22	46
7	732	23	171
8	725	24	621
9	723	25	683
10	683	26	735
11	612	27	731
12	731	28	739
13	744	29	739
14	727		
15	729		
16	728		

DOCKET ND. 050-0324 DATE 03/02/84 COMPLETED BY FRANCES HARRISON TELEPHONE (919)457-9521

OPERATING STATUS

	where there where where a first other were stated and were stated with stated where stated with stated
1. UNIT NAME: BRUNSWICK UNIT 2	I NOTES I
2. REPORTING PERIOD: FEBRUARY 84	
3. LICENSED THERMAL FOWER (MWT): 2436	And the second sec
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
7. MAX DEPENDABLE CAPACITY (NET MWE): 790.0	the set ine was due too too too too too too too too too to

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:

			YR TO DATE	CUMUL ATIVE
		101.00		22005 00
11.	HOURS IN REPORTING PERIOD	696.00	1440.00	72985.00
12.	NUMBER OF HOURS REACTOR CRITICAL	671.60	1338.40	46065.82
		. 00		. 00
14	HOURS GENERATOR ON LINE	662.13	1301.06	43086.53
15	UNIT RESERVE SHUTDOWN HOURS	00	.00	.00
	GROSS THERMAL ENERGY GEN. (MWH)			81321009.49
	GROSS ELEC. ENERGY GEN. (MWH)			
18.	NET ELEC. ENERGY GENERATED (MWH)	471735.00	881155.00	25908973.00
		95.13		59.03
	UNIT AVAILABILITY FACTOR	95.13	90.35	59.03
21	the second se	85.79	77.46	44.94
	UNIT CAP. FACTOR (USING DER NET)	82.56	74.53	43.24
	UNIT FORCED OUTAGE RATE	4.87	2.66	15.62
50. 3A	A REAL PROPERTY AND A REAL			

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

OFF-GAS/CONDENSER RETUBING 3/10 - 10/15/84 5500 Hours

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

COMMERCIAL OPERATION

APPENDIX

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

OPERATIONS SUMMARY BRUNSWICK UNIT NO. 2

Brunswick Unit No. 2 operated at a 95.13% availability factor for the month of February with an 88.79% capacity factor. There was one off-line outage and six power reductions. Details are in Appendix D, The Unit Shutdowns and Power Reduction Log. The unit is operating 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.

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DOCKET NO. UNIT NAME DATE COMPLETED BY TELEPHONE

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	ra					
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REPORT MONTH February 1984

No.	Date	Type ¹	Duration (Hours)	Reason?	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
84-008	02-10-84	S	.00	В	5	NA			Reduced power for scram testing.
1 2 F: Forced Reason: S: Scheduled A-Equipment Failure (Explain) B-Maintenance of Test C-Refueling D-Regulatory Restriction E-Operator Training & License Examination F-Administrative G-Operational Error (Explain) (9/77) H-Other (Explain)							3-Auto 4-Con	ual sal Scram. matic Scram. ntinuation ad Reduction	

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REPORT MONTH February 1984

DOCKET NO. UNIT NAME

TELEPHONE

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

Method of Shutting Down Reactor³ Component Code⁵ Reason² Duration (Hours) System Code⁴ Licensee Cause & Corrective Typel Date No Event Action to Report # Prevent Recurrence F 5 84-006 01-14-84 .00 **INSTRU** Operating at reduced power because A NA CH 1st and 2nd stage reheat isolated due to steam leak on east 1st stage manway drain tank. 3 F: Forced Reason Method: Exhibit G - Instructions S: Scheduled A-Equipment Failure (Explain) I-Manual for Preparation of Data **B-Maintenance of Test** 2-Manual Scram. Entry Sheets for Licensee C-Refueling 3-Automatic Scram. Event Report (LER) File (NUREG-D-Regulatory Restriction 0161) 4-Continuations E-Operator Training & License Examination

5-Load Reductions

6-Other

5

Exhibit I - Same Source

(9/77)

F-Administrative

H-Other (Explain)

G-Operational Error (Explain)

DOCKET NO. 050-0324 UNIT NAME Brunswick II DATE COMPLETED BY

TELEPHONE

Frances Harrison (919)457-9521

REPORT MONTH February 1984

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Cude ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
4-011	02-18-84	S	.00	В	5	NA			Rod improvement
	orced heduled	2 Reas A-Ec B-Ma C-Re	son: quipment Fr aintenance of efueling	ailure (E	Explain)				4 Exhibit G - Instructions for Preparation of Data Entry Shiets for Licensee Event Report (LER) File (NUREG

- D-Regulatory Restriction E-Operator Training & License Examination
- F-Administrative
- G-Operational Error (Explain) H-Other (Explain)

4-Continuations 5-Load Reductions 6-Other

Event Report (LER) File (NUREG-0161)

5

Exhibit 1 · Same Source

(9/77)

DOCKET NO. 0 UNIT NAME DATE M COMPLETED BY

TELEPHONE

050-0324 Brunswick II March 1984 Frances Harrisa (919)457-9521

REPORT MONTHFebruary 1984

84-012 02-18-84 S .00 B 5 NA Reduced power for debris wash as per OP-29.		Cause & Corrective Action to Prevent Recurrence	Component Cude ⁵	System Code ⁴	Licensee Event Report #	Method of Shutting Down Reactor ³	Reason ²	Duration (Hours)	Type ¹	Date	No.
	s filter back-	Reduced power for deb-is fil wash as per OP-29.			NA	5	В	.00	S	02-18-84	84-012

ed	Reason:	
duled	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)	

(9/77)

Method: 1-Manual 2-Manual Scram. 3-Automatic Scram.

4-Concinuations 5-Load Reductions 6-Other Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5

Exhibit I - Same Source

DOCKET NO. UNIT NAME DATE COMPLETED BY

TELECIONE

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

REPORT MONTH February 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
34-013 02-17-84	F	.00	A	5	NA			Reduced power inorder to establish a stable condenser vacuum greater than 26 inches.
F: Forced S: Scheduled	2 Reas A-Ec B-Mi	ion: quipment F aintenance	ailure (E	Explain)		3 Method 1-Manu 2-Manu		4 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee

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

Exhibit 1 - Same Source

5-Load Reductions 5

3-Automatic Scram.

6-Other

4-Continuations

(9/77)

C-Refueling

F-Administrative

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

D-Regulatory Restriction E-Operator Training & License Examination

DOCKET NO. UNIT NAME DATE COMPLETED BY

TELEPHONE

05	0-0)324	1		
Br	uns	swid	ck	II	
Ma	rch	1 19	984		
Fr	and	ces	Ha	rr	iso
(9	19)	45	7-9	52	1

REPORT MONTH February 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
84-016	02-22-84	F	33.52	A	3	NA	CD	VALVOP	Rx Scram- Steam line "D" out- board MSIV shutting during performing of PT A22.
1 F: Fo S: Sci	orced heduled	B-Ma C-Re D-Re E-Op F-Ac G-Op	ion: quipment Fa aintenance o efueling egulatory Re perator Trair dministrative perational Ei ther (Explair	r Test strictioning & 1 rror (Ex	n License Exa		3-Aut 4-Co	ual ual Scram. omatic Scram. ntinuation ad Reduct	ns 0161)

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REPORT MONTH February 1984

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DOCKET NO. 050-0324

UNIT NAME Brunswick II DATE March 1984 COMPLETED BYFrances HarrisonTELEPHONE(919)457-9521

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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
84-018	02-24-84	F	.00	A	5	NA	CH	PUMPXX	Lost 2B reactor feedpump.
1 F: Fc S: Scl	nced heduled	B-Ma C-Re D-Re E-Op F-Ad G-Op	uipment Fa intenance o fueling gulatory Ro	of Test estrictio ning & l e frror (Ex	n License Exa		3-Auto	ua. ual Scram. omatic Scram. ntinuations ad Reductic	



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

March 5, 1984

FILE: B09-13510C SERIAL: BSEP/84-0538

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

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

lear Mr. DeYoung:

In accordance with Technical Specification 6.9.1.6 for the Brunswick Steam Electric Plant, Unit Nos. 1 and 2, C^e lina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of February 1984.

Very traly yours,

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

FH/kal/LETJA

Enclosures

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

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