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FACIL: 50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light Co. 05000261
AUTH. NAME: AUTHOR AFFILIATION
WOODS, J. Carolina Power & Light Co.
PEARSON, M.P. Carolina Power & Light Co.
RECIP. NAME: RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Nov 1993 for HB Robinson Steam
Electric Plant Unit 2.W/931220 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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Robinson Nuclear Plant
PO Box 790
Hartsville SC 29550

DEC 20 1993

Robinson File: 15505
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U. S. Nuclear Regulatory Commission
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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
MONTHLY OPERATIONS REPORT

Gentlemen:

In accordance with Technical Specification 6.9.1.4 for the H. B. Robinson Steam Electric Plant, Unit No. 2, Carolina Power and Light Company herewith submits the report of operation statistics and shutdown experience for the month of November, 1993.

Very truly yours,

Marc P. Pearson
Plant General Manager

SAB:lst
Enclosures
c: Mr. S. D. Ebnetter
Mr. W. T. Orders

9312270166 931130
PDR ADOCK 05000261
R PDR

Highway 151 and SC 23 Hartsville SC

TE24
11

CP&L CO

RUN DATE 12/03/93

RUN TIME 08:08:55

PLANT PERFORMANCE DATA SYSTEM

OPERATING DATA REPORT

ROBINSON UNIT 2

PAGE 1

RPD36-000

DOCKET NO. 050-0261
 COMPLETED BY: JACKIE WOODS
 TELEPHONE (803)383-4524

OPERATING STATUS

1. UNIT NAME: ROBINSON UNIT 2
2. REPORTING PERIOD: NOVEMBER 1993
3. LICENSED THERMAL POWER (MWT): 2300
4. NAMEPLATE RATING (GROSS MWE): 739.0
5. DESIGN ELECTRICAL RATING (NET MWE): 700.0
6. MAX DEPENDABLE CAPACITY (GROSS MWE): 700.0
7. MAX DEPENDABLE CAPACITY (NET MWE): 683.0
8. IF CHANGES OCCUR IN CAPACITY RATING (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: NONE

NOTES: There are 238 assemblies and one assembly with 100 Rods in the Spent Fuel Pool. There are 157 assemblies in the Reactor and 56 assemblies in the Dry Fuel Storage. There is one (1) new fuel assembly in a new fuel canister and 10 fuel rods in a shipping canister.

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTION, IF ANY: NONE

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	720.00	8016.00	199464.00
12. NUMBER OF HOURS REACTOR CRITICAL	117.91	6191.24	140447.86
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	65.45	6137.58	137471.84
5. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	46478.40	13514069.52	280309475.04
17. GROSS ELEC. ENERGY GEN. (MWH)	11461.00	4415882.00	90954008.00
18. NET ELEC. ENERGY GENERATED (MWH)	696.00	4191615.00	85935611.00
19. UNIT SERVICE FACTOR	9.09	76.57	68.92
20. UNIT AVAILABILITY FACTOR	9.09	76.57	68.93
21. UNIT CAP. FACTOR (USING MDC NET)	.14	76.56	64.56
22. UNIT CAP. FACTOR (USING DER NET)	.14	74.70	61.55
23. UNIT FORCED OUTAGE RATE	83.63	5.17	14.44

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE DATE AND DURATION OF EACH): None
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: To be determined.
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION: FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

CP&L CO
RUN DATE 12/03/93
RUN TIME 08:08:55

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

PAGE 1
RPD39-000

DOCKET NO. 050-0261
COMPLETED BY: JACKIE WOODS
TELEPHONE (803)383-4524

NOVEMBER 1993

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-10	17	-11
2	-13	18	-21
3	-13	19	-19
4	-19	20	-18
5	-20	21	-15
6	-14	22	-5
7	-21	23	-4
8	-23	24	-4
9	-24	25	-3
10	-24	26	-4
11	-24	27	-3
12	-24	28	-2
13	-23	29	-2
14	91	30	-3
15	147		
16	156		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0261UNIT NAME H. B. RobinsonDATE 12/03/93REPORT MONTH NOVEMBERCOMPLETED BY J. B. WoodsTELEPHONE (803) 383-4524

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ²	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1201	110193	S	320.13	C	1	---	ZZ	ZZZZ	Continuation of Cycle #15 Refueling Outage.
1202	111493	S	65.45	B	1	---	ZZ	ZZZZ	Low Power Physics Testing after Refueling Outage #15 completion. Unit on-line at 0808 on November 14, 1993.
1203	111793	F	334.42	B,H	1	---	SJ	VALVEX	Ramp off line to repair weld leak upstream of FW-13B, "A" MFP Discharge line drain.
							DB	FUELXX	On November 18, 1993, the fuel vendor, Siemens notified CP&L that 6 fuel assemblies had fuel rods misloaded. The Unit proceeded to cold shutdown at 2235 November 18, 1993, for inspection and movement of the fuel.

1

2

3

4

F: Forced
S: Scheduled

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)

Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

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

⁵ Exhibit 1 - Same Source

(9/77)

93-3045