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AUTH. NAME      AUTHOR AFFILIATION  
GROOMS, J.      Carolina Power & Light Co.  
PEARSON, M.P.      Carolina Power & Light Co.  
RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1993 for HB Robinson Steam Electric Plant Unit 2.W/931010 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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Carolina Power & Light Company

ROBINSON NUCLEAR PLANT  
POST OFFICE BOX 790  
HARTSVILLE, SOUTH CAROLINA 29551

**OCT 10 1993**

Robinson File: 15505

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U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
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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 September, 1993.

Very truly yours,

Marc P. Pearson  
Plant General Manager  
H. B. Robinson S. E. Plant

SAB:lst

Enclosures

cc: Mr. S. D. Ebnetter  
Mr. W. T. Orders

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PDR ADOCK 05000261  
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11

CP&L CO  
 RUN DATE 10/04/93  
 RUN TIME 16:38:24

PLANT PERFORMANCE DATA SYSTEM  
 OPERATING DATA REPORT  
 ROBINSON UNIT 2

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

OPERATING STATUS

1. UNIT NAME: ROBINSON UNIT 2
2. REPORTING PERIOD: SEPTEMBER 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
9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTION, IF ANY: NONE

NOTES: There are 395 assemblies and one assembly with 100 Rods in the Spent Fuel Pool. There are 56 assemblies in the Dry Fuel Storage.

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	720.00	6551.00	197999.00
12. NUMBER OF HOURS REACTOR CRITICAL	242.33	6073.33	140329.95
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	241.13	6072.13	137406.39
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	549819.60	13467591.12	280262996.64
17. GROSS ELEC. ENERGY GEN. (MWH)	175210.00	4404421.00	90942547.00
18. NET ELEC. ENERGY GENERATED (MWH)	163908.00	4192577.00	85936573.00
19. UNIT SERVICE FACTOR	33.49	92.69	69.40
20. UNIT AVAILABILITY FACTOR	33.49	92.69	69.41
21. UNIT CAP. FACTOR (USING MDC NET)	33.33	93.70	65.05
22. UNIT CAP. FACTOR (USING DER NET)	32.52	91.43	62.00
23. UNIT FORCED OUTAGE RATE	.00	.00	14.27
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:	11/6/93		
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION: FORECAST    ACHIEVED			
INITIAL CRITICALITY	----	----	
INITIAL ELECTRICITY	----	----	
COMMERCIAL OPERATION	----	----	

CP&L CO  
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PLANT PERFORMANCE DATA SYSTEM  
APPENDIX B - AVERAGE DAILY POWER LEVEL  
ROBINSON UNIT 2

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

SEPTEMBER 1993

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	692	17	-2
2	694	18	-3
3	695	19	-3
4	696	20	-3
5	697	21	-3
6	696	22	-3
7	696	23	-3
8	697	24	-3
9	697	25	-2
10	686	26	-3
11	-20	27	-3
12	-22	28	-2
13	-13	29	-2
14	-11	30	-2
15	-8		
16	-7		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0261

UNIT NAME H. B. Robinson

DATE 10/05/93

REPORT MONTH SEPTEMBER

COMPLETED BY J. W. Grooms

TELEPHONE (803) 383-4524

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>2</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
0901	091093	F	---	C	1	---	ZZ	ZZZZZZ	Cause of Event: Ramp down from full power to offline to start RFO-15.
NA	091193	S	478.87	C	1	---	ZZ	ZZZZZZ	Planned shutdown to 0% power. Offline for cycle #15 refueling. This outage will continue into October.

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
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)

<sup>3</sup>  
Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Other (Explain)

<sup>4</sup>  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
0161)

<sup>5</sup> Exhibit 1 - Same Source