

# CATEGORY 1

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 KRICH, R.M.      Carolina Power & Light Co.  
 RECIP.NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Sept 1996 for H.B. Robinson Steam Electric Plant, Unit 2.W/961009 ltr.

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**Carolina Power & Light Company**

Robinson Nuclear Plant  
3581 West Entrance Road  
Hartsville SC 29550

Robinson File No: 15505

Serial: RNP-RA/96-0177

**OCT 09 1996**

United States Nuclear Regulatory Commission

Attn: Document Control Desk

Washington, DC 20555

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 Specifications (TS) Section 6.9.1.4 for the H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2, Carolina Power & Light (CP&L) Company submits the enclosed report of operations statistics and shutdown experience for the month of September 1996. Also, in accordance with TS Section 6.9.1.4, this report is being submitted to the NRC by the 10th day of the month following the calendar month covered by the report.

Questions regarding this matter may be referred to me at (803) 857-1802.

Very truly yours,

R. M. Krich

Manager - Regulatory Affairs

KLB/klb

Enclosures

c: Mr. S. D. Ebnetter, Regional Administrator, USNRC, Region II  
Mr. J. Zeiler, USNRC Resident Inspector, HBRSEP

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Enclosure 1 to Serial: RNP-RA/96-0177  
CP&L CO.  
RUN DATE 10/05/96  
RUN TIME 14:30:02

PLANT PERFORMANCE DATA SYSTEM  
OPERATING DATA REPORT  
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

PAGE 1  
RPD36-000

DOCKET NO. 050-0261  
COMPLETED BY DARRYL GARDNER  
TELEPHONE (803)857-1144

OPERATING STATUS

1. UNIT NAME: H. B. ROBINSON STEAM ELECTRIC PLANT (HBRSEP),  
UNIT NO. 2
2. REPORTING PERIOD: SEPTEMBER 96
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: N/A
9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): N/A
10. REASONS FOR RESTRICTION, IF ANY: N/A

NOTES: There are 477  
assemblies and 1 assembly with  
100 rods in the Spent Fuel Pool.  
There are 0 assemblies in the  
Reactor and 56 assemblies in the  
Dry Fuel Storage.

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	720.00	6575.00	224303.00
12. NUMBER OF HOURS REACTOR CRITICAL	167.22	6022.22	160854.86
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	167.22	6022.22	157698.55
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	350707.68	13702544.40	325835901.36
17. GROSS ELEC. ENERGY GEN. (MWH)	112980.00	4468392.00	105751049.00
18. NET ELEC. ENERGY GENERATED (MWH)	105344.00	4257024.00	99988525.00
19. UNIT SERVICE FACTOR	23.23	91.59	70.31
20. UNIT AVAILABILITY FACTOR	23.23	91.59	70.32
21. UNIT CAP. FACTOR (USING MDC NET)	21.42	94.80	66.63
22. UNIT CAP. FACTOR (USING DER NET)	20.90	92.49	63.68
23. UNIT FORCED OUTAGE RATE	.00	.00	14.15

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: October 17, 1996
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

----- 9/20/70  
----- 9/70  
----- 3/7/71

CP&L CO  
 RUN DATE 10/05/96  
 RUN TIME 14:30:02

PLANT PERFORMANCE DATA SYSTEM  
 APPENDIX B - AVERAGE DAILY POWER LEVEL  
 H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

PAGE 1  
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DOCKET NO. 050-0261  
 COMPLETED BY: DARRYL GARDNER  
 TELEPHONE (803)857-1144

September 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	663	17	-2
2	658	18	-3
3	650	19	-2
4	646	20	-2
5	638	21	-2
6	636	22	-2
7	577	23	-2
8	-21	24	-2
9	-11	25	-2
10	-5	26	-2
11	-3	27	-2
12	-2	28	-1
13	-3	29	0*
14	-3	30	0*
15	-2		
16	-3		

\* During this time electric power was provided by backfeeding through the main transformers.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPTEMBER 96

DOCKET NO. 050-0261  
 UNIT NAME HBRSEP, UNIT NO. 2  
 DATE 10/05/96  
 COMPLETED BY DARRYL GARDNER  
 TELEPHONE (803) 857-1144

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
0901	09/07/96	S	552.8	C	2	96-004	JJ	FCV	Scheduled Shutdown RO 17.

<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

SUMMARY: The unit was online at reduced power for coastdown until September 7, 1996, when the unit was shutdown for RO 17. A manual shutdown could not be completed due to a malfunction in the main High Pressure Turbine Electro-Hydraulic Control System. Consequently a manual scram was initiated at 28% power.