

# CATEGORY 1

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AUTH.NAME      AUTHOR AFFILIATION  
FREEMAN,T.      Carolina Power & Light Co.  
WARDEN,R.L.      Carolina Power & Light Co.  
RECIP.NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Dec 1998 for HB Robinson Steam  
Electric Plant,Unit 2.With 990112 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/99-0009

**JAN 12 1999**

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 OPERATING REPORT

Sir or Madam:

In accordance with Technical Specifications (TS) Section 5.6.4 for the H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2, Carolina Power & Light (CP&L) Company submits the enclosed report of operating statistics and shutdown experience for the month of December 1998. In accordance with TS Section 5.6.4, this report is being submitted to the NRC by the 15th day of the month following the calendar month covered by the report.

If you have any questions concerning this matter, please contact Mr. H. K. Chernoff.

Very truly yours,

  
R. L. Warden  
Manager - Regulatory Affairs

PMY/klb  
Attachments

c: NRC Resident Inspector, HBRSEP  
Mr. L. A. Reyes, NRC, Region II  
Mr. R. Subbaratnam, NRC, NRR

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CP&L CO  
 RUN DATE 01/04/99  
 RUN TIME 12:48:50

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

DOCKET NO. 050-0261  
 COMPLETED BY THOMAS FREEMAN  
 TELEPHONE (843)857-1362

OPERATING STATUS

1. UNIT NAME: H. B. ROBINSON STEAM ELECTRIC PLANT (HBRSEP),  
UNIT NO. 2
2. REPORTING PERIOD: DECEMBER 1998
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:
9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTION, IF ANY:

NOTES:

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	8760.00	244032.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	7786.20	179072.21
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	744.00	7752.40	175837.13
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	1710537.60	17638569.36	367042613.04
17. GROSS ELEC. ENERGY GEN. (MWH)	570713.00	5779274.00	119297450.00
18. NET ELEC. ENERGY GENERATED (MWH)	545325.00	5505558.00	112894748.00
19. UNIT SERVICE FACTOR	100.00	88.50	72.05
20. UNIT AVAILABILITY FACTOR	100.00	88.50	72.06
21. UNIT CAP. FACTOR (USING MDC NET)	107.32	92.02	69.03
22. UNIT CAP. FACTOR (USING DER NET)	104.71	89.78	66.09
23. UNIT FORCED OUTAGE RATE	.00	.99	12.96

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE DATE AND DURATION OF EACH):  
Maintenance shutdown scheduled and completed January 8-10, 1999, with a duration of 34 hours and 19 minutes.
  25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: N/A
  26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED
- INITIAL CRITICALITY 9/20/70  
 INITIAL ELECTRICITY 9/70  
 COMMERCIAL OPERATION 3/7/71

CP&L CO  
 RUN DATE 01/04/99  
 RUN TIME 12:48:50

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

PAGE 1 of 1  
 RPD39-000

DOCKET NO. 050-0261  
 COMPLETED BY: THOMAS FREEMAN  
 TELEPHONE (843)857-1362

DECEMBER 1998

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	730*	17	735*
2	730*	18	735*
3	731*	19	735*
4	731*	20	733*
5	730*	21	732*
6	730*	22	735*
7	729*	23	734*
8	729*	24	734*
9	730*	25	736*
10	730*	26	736*
11	731*	27	735*
12	733*	28	735*
13	733*	29	735*
14	734*	30	735*
15	735*	31	735*
16	735*		

\* The maximum dependable capacity is 683 MWE. The Plant operated above the Max Dependable Capacity (MDC) due to the condenser water inlet temperature < 95° F.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: DECEMBER 1998

DOCKET NO. 050-0261  
 UNIT NAME HBRSEP, UNIT NO. 2  
 DATE 01/04/99  
 COMPLETED BY THOMAS FREEMAN  
 TELEPHONE (843) 857-1362

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

<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 operated at full power the entire month. There were no challenges to the pressurizer power operated relief or pressurizer safety valves. There were no steam generator tube inspections this month.