

# CATEGORY 1

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 GARDNER,D. Carolina Power & Light Co.  
 WILKERSON,T.M. Carolina Power & Light Co.  
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Oct 1997 for HB Robinson Steam  
 Electric Plant,Unit 2.W/971106 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/97-0235  
**NOV 6 1997**

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 October 1997. 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.

If you have any questions concerning this matter, please contact me or Mr. H. K. Chernoff of my staff at (803) 857-1437.

Very truly yours,

*for* T. M. Wilkerson  
Manager - Regulatory Affairs

*IE24 1/1*

KLB/klb

Attachments

- c: Mr. L. A. Reyes, Regional Administrator, USNRC, Region II
- Ms. B. L. Mozafari, USNRC Project Manager, HBRSEP
- Mr. B. B. Desai, USNRC Senior Resident Inspector, HBRSEP

9711170107 971031  
PDR ADDCK 05000261  
R PDR



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: OCTOBER 1997
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):
10. REASONS FOR RESTRICTION, IF ANY:

## NOTES:

|                                      | THIS<br>MONTH | YR TO<br>DATE | CUMUL<br>ATIVE |
|--------------------------------------|---------------|---------------|----------------|
| 11. HOURS IN REPORTING PERIOD        | 745.00        | 7296.00       | 233808.00      |
| 12. NUMBER OF HOURS REACTOR CRITICAL | 745.00        | 7296.00       | 169911.91      |
| 13. REACTOR RESERVE SHUTDOWN HRS     | .00           | .00           | 3314.65        |
| 14. HOURS GENERATOR ON LINE          | 745.00        | 7296.00       | 166717.78      |
| 15. UNIT RESERVE SHUTDOWN HOURS      | .00           | .00           | 23.20          |
| 16. GROSS THERMAL ENERGY GEN. (MWH)  | 1710697.68    | 16656655.20   | 346302477.12   |
| 17. GROSS ELEC. ENERGY GEN. (MWH)    | 562618.00     | 5466538.00    | 112485046.00   |
| 18. NET ELEC. ENERGY GENERATED (MWH) | 536822.00     | 5214016.00    | 106405618.00   |
| 19. UNIT SERVICE FACTOR              | 100.00        | 100.00        | 71.31          |
| 20. UNIT AVAILABILITY FACTOR         | 100.00        | 100.00        | 71.32          |
| 21. UNIT CAP. FACTOR (USING MDC NET) | 105.50        | 104.63        | 67.96          |
| 22. UNIT CAP. FACTOR (USING DER NET) | 102.94        | 102.09        | 65.01          |
| 23. UNIT FORCED OUTAGE RATE          | .00           | .00           | .00            |

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE DATE AND DURATION OF EACH): Refueling Outage 18,  
scheduled to begin March 7, 1998, with a scheduled duration of 36 days.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP:

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  
RUN TIMEPLANT PERFORMANCE DATA SYSTEM  
APPENDIX B - AVERAGE DAILY POWER LEVEL  
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2PAGE 1 of 1  
RPD39-000DOCKET NO. 050-0261  
COMPLETED BY: DARRYL GARDNER  
TELEPHONE (803)857-1144

September 1997

| DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) | DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1   | 719                                 | 17  | 721                                 |
| 2   | 719                                 | 18  | 723                                 |
| 3   | 720                                 | 19  | 718                                 |
| 4   | 720                                 | 20  | 726                                 |
| 5   | 719                                 | 21  | 725                                 |
| 6   | 717                                 | 22  | 725                                 |
| 7   | 717                                 | 23  | 727                                 |
| 8   | 716                                 | 24  | 728                                 |
| 9   | 716                                 | 25  | 720                                 |
| 10  | 716                                 | 26  | 718                                 |
| 11  | 714                                 | 27  | 727                                 |
| 12  | 714                                 | 28  | 728                                 |
| 13  | 714                                 | 29  | 728                                 |
| 14  | 715                                 | 30  | 728                                 |
| 15  | 716                                 | 31  | 726                                 |
| 16  | 719                                 |     |                                     |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH OCTOBER 1997

DOCKET NO. 050-0261  
 UNIT NAME HBRSEP, UNIT NO. 2  
 DATE 11/5/97  
 COMPLETED BY DARRYL GARDNER  
 TELEPHONE (803) 857-1144

| No. | Date | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down<br>Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective<br>Action to<br>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 near full power the entire month.