

# CATEGORY 1

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 AUTH. NAME      AUTHOR AFFILIATION  
 GARDNER, D.      Carolina Power & Light Co.  
 CHERNOFF, H.K.      Carolina Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Jan 1996 for HB Robinson Steam Electric Plant, Unit 2.W/970206 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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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/97-0027

**FEB 06 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 January 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.

Questions regarding this matter may be referred to me at (803) 857-1437.

Very truly yours,

H. K. Chernoff

Supervisor - Licensing/Regulatory Programs

JSK/klb

Enclosures

c: Mr. L. A. Reyes, Regional Administrator, USNRC, Region II  
Mr. B. B. Desai, USNRC Senior Resident Inspector, HBRSEP

9702120355 970131  
PDR ADOCK 05000261  
R PDR

120016

Enclosure 1 to Serial: RNP-RA/97-0027  
CP&L CO  
RUN DATE 02/03/97  
RUN TIME 12:27:43

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: JANUARY 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: 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 264 assemblies and 1 assembly with 100 rods in the Spent Fuel Pool. There are 157 assemblies in the Reactor and 56 assemblies in the Dry Fuel Storage.

|                                      | THIS<br>MONTH | YR TO<br>DATE | CUMUL<br>ATIVE |
|--------------------------------------|---------------|---------------|----------------|
| 11. HOURS IN REPORTING PERIOD        | 744.00        | 744.00        | 227256.00      |
| 12. NUMBER OF HOURS REACTOR CRITICAL | 744.00        | 744.00        | 163359.91      |
| 13. REACTOR RESERVE SHUTDOWN HRS     | .00           | .00           | 3314.65        |
| 14. HOURS GENERATOR ON LINE          | 744.00        | 744.00        | 160165.78      |
| 15. UNIT RESERVE SHUTDOWN HOURS      | .00           | .00           | 23.20          |
| 16. GROSS THERMAL ENERGY GEN. (MWH)  | 1703897.04    | 1703897.04    | 331349718.96   |
| 17. GROSS ELEC. ENERGY GEN. (MWH)    | 569606.00     | 569606.00     | 107588114.00   |
| 18. NET ELEC. ENERGY GENERATED (MWH) | 543827.00     | 543827.00     | 101735429.00   |
| 19. UNIT SERVICE FACTOR              | 100.00        | 100.00        | 70.48          |
| 20. UNIT AVAILABILITY FACTOR         | 100.00        | 100.00        | 70.49          |
| 21. UNIT CAP. FACTOR (USING MDC NET) | 107.02        | 107.02        | 66.89          |
| 22. UNIT CAP. FACTOR (USING DER NET) | 104.42        | 104.42        | 63.95          |
| 23. UNIT FORCED OUTAGE RATE          | .00           | .00           | 13.97          |

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:

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 02/03/97  
RUN TIME 12:27:43

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

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RPD39-000

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

January 1997

| DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) | DAY | AVG. DAILY POWER LEVEL<br>(MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1   | 732                                 | 17  | 734                                 |
| 2   | 733                                 | 18  | 734                                 |
| 3   | 733                                 | 19  | 734                                 |
| 4   | 734                                 | 20  | 733                                 |
| 5   | 733                                 | 21  | 733                                 |
| 6   | 733                                 | 22  | 734                                 |
| 7   | 733                                 | 23  | 733                                 |
| 8   | 732                                 | 24  | 733                                 |
| 9   | 734                                 | 25  | 733                                 |
| 10  | 734                                 | 26  | 663                                 |
| 11  | 735                                 | 27  | 731                                 |
| 12  | 735                                 | 28  | 730                                 |
| 13  | 735                                 | 29  | 727                                 |
| 14  | 735                                 | 30  | 733                                 |
| 15  | 734                                 | 31  | 733                                 |
| 16  | 735                                 |     |                                     |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY 1997DOCKET NO. 050-0261UNIT NAME HBRSEP, UNIT NO. 2DATE 2/03/97COMPLETED BY DARRYL GARDNERTELEPHONE (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

Reason:

A-Equipment Failure (Explain)

B-Maintenance or Test

C-Refueling

D-Regulatory Restriction

E-Operator Training &amp; 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)

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

SUMMARY: The unit was online the entire month. The Unit operated at full power during the month except for January 26, 1997, when power was reduced for turbine control valve testing.