

CATEGORY 1

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

SUBJECT: Monthly operating rept for Sept 1997 for HB Robinson Steam
 Electric Plant Unit 2. W/971006 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/97-0219

OCT 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 September 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.

Very truly yours,

T. M. Wilkerson
Manager - Regulatory Affairs

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Lev4

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

9710100297 970930
PDR ADOCK 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: SEPTEMBER 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:

| | THIS MONTH | YR TO DATE | CUMUL ATIVE |
|--------------------------------------|---------------|---------------|----------------|
| 11. HOURS IN REPORTING PERIOD | 720.00 | 6551.00 | 233063.00 |
| 12. NUMBER OF HOURS REACTOR CRITICAL | 720.00 | 6551.00 | 169166.91 |
| 13. REACTOR RESERVE SHUTDOWN HRS | .00 | .00 | 3314.65 |
| 14. HOURS GENERATOR ON LINE | 720.00 | 6551.00 | 165972.78 |
| 15. UNIT RESERVE SHUTDOWN HOURS | .00 | .00 | 23.20 |
| 16. GROSS THERMAL ENERGY GEN. (MWH) | 1642536.72 | 14945957.52 | 344591779.44 |
| 17. GROSS ELEC. ENERGY GEN. (MWH) | 531492.00 | 4903920.00 | 111922428.00 |
| 18. NET ELEC. ENERGY GENERATED (MWH) | 506527.00 | 4677194.00 | 105868796.00 |
| 19. UNIT SERVICE FACTOR | 100.00 | 100.00 | 71.21 |
| 20. UNIT AVAILABILITY FACTOR | 100.00 | 100.00 | 71.22 |
| 21. UNIT CAP. FACTOR (USING MDC NET) | 103.00 | 104.53 | 67.84 |
| 22. UNIT CAP. FACTOR (USING DER NET) | 100.50 | 102.00 | 64.89 |
| 23. UNIT FORCED OUTAGE RATE | .00 | .00 | 13.54 |

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE DATE AND DURATION OF EACH): Refueling Outage 18
scheduled 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

| | |
|-------|----------------|
| ----- | <u>9/20/70</u> |
| ----- | <u>9/70</u> |
| ----- | <u>3/7/71</u> |

CP&L CO
RUN DATE 10/01/97
RUN TIME 12:44:58

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: DARRYL GARDNER
TELEPHONE (803)857-1144

SEPTEMBER 1997

| DAY | AVG. DAILY POWER LEVEL (MWE-NET) | DAY | AVG. DAILY POWER LEVEL (MWE-NET) |
|-----|-------------------------------------|-----|-------------------------------------|
| 1 | 704 | 17 | 705 |
| 2 | 702 | 18 | 706 |
| 3 | 701 | 19 | 705 |
| 4 | 704 | 20 | 704 |
| 5 | 707 | 21 | 707 |
| 6 | 696 | 22 | 710 |
| 7 | 554 | 23 | 711 |
| 8 | 709 | 24 | 711 |
| 9 | 710 | 25 | 714 |
| 10 | 710 | 26 | 716 |
| 11 | 711 | 27 | 716 |
| 12 | 708 | 28 | 718 |
| 13 | 708 | 29 | 718 |
| 14 | 707 | 30 | 718 |
| 15 | 707 | | |
| 16 | 705 | | |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH SEPTEMBER 1997

DOCKET NO. 050-0261
UNIT NAME HBRSEP, UNIT NO. 2
DATE 10/01/97
COMPLETED BY DARRYL GARDNER
TELEPHONE (803) 857-1144

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|--------|--------|-------------------|---------------------|---------------------|---|-------------------------------|-----------------------------|--------------------------------|--|
| 97-002 | 970907 | S | 0 | B | 4 | — | HA | VALVEX | Ramp down from 100% to 65% power for turbine valve test. |

1

2

3

4

F: Forced
S: Scheduled

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)

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)

⁵ Exhibit 1 - Same Source

SUMMARY: The unit was online the entire month. The unit operated at full power during the month, except for September 6-7, 1997, when power was reduced to approximately 65% to perform turbine valve testing.