

# 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 Nov 1996 for HB Robinson Steam  
Electric Plant,Unit 2.W/961209 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/96-0217

**DEC 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 November 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) 857-1437.

Very truly yours,

H. K. Chernoff  
Supervisor - Licensing/Regulatory Programs

JSK/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/96-0217  
 CP&L CO  
 RUN DATE 12/02/96  
 RUN TIME 15:34:42

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

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: NOVEMBER 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 293 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 MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	720.00	8040.00	225768.00
12. NUMBER OF HOURS REACTOR CRITICAL	720.00	7039.27	161871.91
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	720.00	7001.45	158677.78
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	1654951.20	15802495.92	327935852.88
17. GROSS ELEC. ENERGY GEN. (MWH)	550420.00	5164968.00	106447625.00
18. NET ELEC. ENERGY GENERATED (MWH)	525560.00	4915002.00	100646503.00
19. UNIT SERVICE FACTOR	100.00	87.08	70.28
20. UNIT AVAILABILITY FACTOR	100.00	87.08	70.29
21. UNIT CAP. FACTOR (USING MDC NET)	106.87	89.50	66.62
22. UNIT CAP. FACTOR (USING DER NET)	104.28	87.33	63.69
23. UNIT FORCED OUTAGE RATE	.00	.23	14.08

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	-----	<u>9/20/70</u>
INITIAL ELECTRICITY	-----	<u>9/70</u>
COMMERCIAL OPERATION	-----	<u>3/7/71</u>

CP&L CO  
RUN DATE 12/02/96  
RUN TIME 15:34:42

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

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

November 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	727	17	732
2	726	18	733
3	727	19	732
4	728	20	730
5	727	21	731
6	727	22	730
7	723	23	730
8	726	24	731
9	729	25	732
10	730	26	732
11	730	27	732
12	730	28	733
13	731	29	733
14	731	30	733
15	731		
16	732		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0261

UNIT NAME HBRSEP, UNIT NO. 2

DATE 12/03/96

REPORT MONTH NOVEMBER 1996

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

<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 during the entire month of November.