

# CATEGORY 1

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

SUBJECT: Monthly operating rept for Aug 1996 for HB Robinson Steam  
 Electric Plant Unit 2.W/960909 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/96-0165

**SEP 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 August 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) 857-1802.

Very truly yours,

R. M. Krich  
Manager - Regulatory Affairs

KLB/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/96-0165  
CP&L CO  
RUN DATE 09/03/96  
RUN TIME 15:03:26

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: AUGUST 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 320  
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	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	5855.00	223583.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	5855.00	160687.64
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	744.00	5855.00	157531.33
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	1676970.48	13351836.72	325485193.68
17. GROSS ELEC. ENERGY GEN. (MWH)	535718.00	4355412.00	105638069.00
18. NET ELEC. ENERGY GENERATED (MWH)	509647.00	4151680.00	99883181.00
19. UNIT SERVICE FACTOR	100.00	100.00	70.46
20. UNIT AVAILABILITY FACTOR	100.00	100.00	70.47
21. UNIT CAP. FACTOR (USING MDC NET)	100.29	103.82	66.78
22. UNIT CAP. FACTOR (USING DER NET)	97.86	101.30	63.82
23. UNIT FORCED OUTAGE RATE	.00	.00	14.16

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE DATE AND DURATION OF EACH):  
REFUELING OUTAGE 17 SCHEDULED TO START SEPTEMBER 8, 1996, WITH A DURATION OF 37 DAYS.
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  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

----- 9/20/70  
----- 9/70  
----- 3/7/71

CP&L CO  
RUN DATE 09/03/96  
RUN TIME 15:03:25

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

PAGE 1  
RPD39-000

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

JULY 1996

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	700	17	699
2	701	18	700
3	699	19	699
4	698	20	698
5	697	21	698
6	698	22	699
7	673	23	699
8	517	24	699
9	591	25	698
10	694	26	699
11	695	27	691
12	698	28	685
13	699	29	680
14	699	30	675
15	696	31	667
16	697		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST 96

DOCKET NO. 050-0261  
 UNIT NAME HBRSEP, UNIT NO. 2  
 DATE 09/04/96  
 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
0801	08/08/96	F	0	A	4	—	HH	INSTRU	Reduced power due to loss of both Heater Drain Pumps due to faulty level switch/controller.

<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 was online the entire month. The Unit operated at full power during the month except during the period from August 7-9, 1996, when power was reduced due to the loss of heater drain pumps, and from 8/28/96 through the end of the month when power coast down was initiated prior to RFO 17.