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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 Nov 1997 for HB Robinson Steam Electric Plant,Unit 2.W/971203 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/97-0249

DEC 3 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 5.6.4 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 1997. Also, in accordance with TS Section 5.6.4, this report is being submitted to the NRC by the 15th 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,

Terry M. Wilkerson

T. M. Wilkerson
Manager - Regulatory Affairs

KLB/klb
Attachments
c: Mr. B. B. Desai, USNRC Senior Resident Inspector, HBRSEP
Mr. L. A. Reyes, Regional Administrator, USNRC, Region II
Mr. J. W. Shea, USNRC Project Manager, HBRSEP

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9712100021 971130
PDR ADOCK 05000261
R PDR

Attachment 1 to Serial: RNP-RA/97-0249

CP&L CO
RUN DATE 12/01/97
RUN TIME 19:39:49

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

RPD36-000

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

OPERATING STATUS

NOTES:

1. UNIT NAME: H. B. ROBINSON STEAM ELECTRIC PLANT (HBRSEP), UNIT NO. 2
2. REPORTING PERIOD: NOVEMBER 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:

		THIS MONTH	YR TO DATE	CUMULATIVE
11.	HOURS IN REPORTING PERIOD	720.00	8016.00	234528.00
12.	NUMBER OF HOURS REACTOR CRITICAL	630.10	7926.10	170542.01
13.	REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14.	HOURS GENERATOR ON LINE	622.95	7918.95	167340.73
15.	UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16.	GROSS THERMAL ENERGY GEN. (MWH)	1391144.88	18047800.08	347693622.00
17.	GROSS ELEC. ENERGY GEN. (MWH)	463348.00	5929886.00	112948394.00
18.	NET ELEC. ENERGY GENERATED (MWH)	439475.00	5653491.00	106845093.00
19.	UNIT SERVICE FACTOR	86.52	98.79	71.35
20.	UNIT AVAILABILITY FACTOR	86.52	98.79	71.36
21.	UNIT CAP. FACTOR (USING MDC NET)	89.37	103.26	68.03
22.	UNIT CAP. FACTOR (USING DER NET)	87.20	100.75	65.08
23.	UNIT FORCED OUTAGE RATE	13.48	1.21	13.49

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		9/20/70
INITIAL ELECTRICITY		9/70
COMMERCIAL OPERATION		3/7/71

Attachment 2 to Serial: RNP-RA/97-0249

CP&L CO
RUN DATE 12/01/97
RUN TIME 19:39:49

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 1997

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	726	17	-25
2	727	18	-26
3	729	19	-26
4	730	20	374
5	730	21	543
6	730	22	707
7	730	23	717
8	731	24	723
9	731	25	731
10	731	26	721
11	730	27	705
12	730	28	730
13	731	29	731
14	732	30	731
15	732		
16	24		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH NOVEMBER 1997

DOCKET NO. 050-0261
UNIT NAME HBRSEP, UNIT NO. 2
DATE 12/3/97
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
970003	971116	F	97.05	A	3	97-011	HH	pumpxx	Broken "B" Condensate pump stub shaft resulted in reactor trip due to FW/MS flow mismatch with low steam generator level. Stub shaft was replaced with improved design shaft and unit returned to power. Achieved 100% reactor power on 11/24/97.

1 2 3 4 [5] Exhibit 1 - Same Source

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)

SUMMARY: The unit operated at full power during the month with the exception of the event described above, the subsequent ramp to full power, and for approximately 22 hours on November 26 - 27, 1997, when power was reduced slightly due to secondary plant oscillations, to allow adjustment of the Heater Drain Tank level controller.