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 Monthly Oper Rept for Sept, 1978.

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NOTES:



Carolina Power & Light Company

October 10, 1978

FILE: NG-3513(R)

SERIAL: GD-78-2700

Mr. John G. Davis, Acting Director  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
MONTHLY OPERATIONS REPORT

Dear Mr. Davis:

In accordance with Technical Specification 6.9.1.c for the H. B. Robinson Steam Electric Plant, Unit No. 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of September, 1978.

Yours very truly,

H. R. Banks  
Manager  
Nuclear Generation

DCS:cp

Enclosure

cc: Messrs. R. A. Hartfield  
J. P. O'Reilly

781016 0149

A008/s\*  
1/10

# OPERATING DATA REPORT

DOCKET NO. DPR-23  
 DATE 781003  
 COMPLETED BY M. L. Watford  
 TELEPHONE 332-1351

## OPERATING STATUS

1. Unit Name: H. B. Robinson
2. Reporting Period: 780901,0000/780930,2400
3. Licensed Thermal Power (MWt): 2200
4. Nameplate Rating (Gross MWe): 739
5. Design Electrical Rating (Net MWe): 700
6. Maximum Dependable Capacity (Gross MWe): 700
7. Maximum Dependable Capacity (Net MWe): 665
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

None

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: None

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>6551</u>	<u>66,413</u>
12. Number Of Hours Reactor Was Critical	<u>533.25</u>	<u>4,423.64</u>	<u>51,605.76</u>
13. Reactor Reserve Shutdown Hours	<u>66.75</u>	<u>253.26</u>	<u>678.31</u>
14. Hours Generator On-Line	<u>528.85</u>	<u>4,103.56</u>	<u>50,309.43</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,124,957</u>	<u>8,585,333</u>	<u>102,852,829</u>
17. Gross Electrical Energy Generated (MWH)	<u>341,763</u>	<u>2,673,953</u>	<u>33,179,256</u>
18. Net Electrical Energy Generated (MWH)	<u>321,749</u>	<u>2,518,325</u>	<u>31,438,314</u>
19. Unit Service Factor	<u>73.45</u>	<u>62.64</u>	<u>75.75</u>
20. Unit Availability Factor	<u>73.45</u>	<u>62.64</u>	<u>75.75</u>
21. Unit Capacity Factor (Using MDC Net)	<u>67.20</u>	<u>57.81</u>	<u>71.18</u>
22. Unit Capacity Factor (Using DER Net)	<u>63.84</u>	<u>54.92</u>	<u>67.63</u>
23. Unit Forced Outage Rate	<u>26.55</u>	<u>10.98</u>	<u>14.58</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: On Line

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast	Achieved
<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>

7810160149

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23  
 UNIT H. B. Robinson Two  
 DATE 781003  
 COMPLETED BY M. L. Watford  
 TELEPHONE (803) 332-1351

MONTH September 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	637
2	636
3	594
4	609
5	635
6	637
7	638
8	637
9	609
10	492
11	636
12	637
13	634
14	636
15	638
16	625

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	495
18	641
19	640
20	635
21	503
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	23
30	610
31	-

## INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH Sept. 1978

DOCKET NO. DPR-23  
UNIT NAME H. B. Robinson  
DATE 781004  
COMPLETED BY M. L. Watford  
TELEPHONE (803) 332-1351

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
9-01	780909	S	0	B	4	-	HC	HTEXCH	Inspection of Condenser Tubes
9-02	780916	S	0	B	4	-	HC	HTEXCH	Inspection of Condenser Tubes
9-03	780921	F	191.15	B	1	78-22	CB	HTEXCH	Excessive Primary to Secondary Leakage in "A" S/G - Leaking Tubes Identified and Plugged.

1  
F: Forced  
S: Scheduled

2  
Reason:  
A-Equipment Failure (Explain)  
B-Maintenance of Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

3  
Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Other (Explain)

4  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
0161)

5  
Exhibit I - Same Source

(9/77)

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
CVC 311 Aux. Spray	none	faulty solenoid armature	inconsistent valve operation	armature replaced
CVC 310	none	improperly adjusted limit switch	mid position indication	limit switch adjusted
RTD. T. H. TE 432 Loop 3 $\Delta$ T Protection	none	malfunctioned while in service	failure to respond	RTD (T-Hot) replaced
Valve SW-V6-34B	none	top flange insecure	flange loose	bolts tightened
Valve SW-V6-34C	none	lubrication fitting slipped	could not be lubricated	fitting replaced
"C" S/G sample line Valve	none	faulty gaskets	excessive leakage	gaskets replaced
Spent Fuel Handling Tool	none	broken latch pin chain	latch pin not secure	reattached pin to handling tool
Engine Driven Emergency Fire Pump	none	damaged water pump seal	excessive leakage	seals & gaskets replaced
RMS-18	none	faulty preamplifier transistor	failed low	transistor renewed
"A" Emergency Diesel Start Air Solenoid	none	faulty core and spring assembly	solenoid leaking thru vent	core and spring assembly replaced
"C" Steam Line Transmitter Vent	none	bad drain valve	excessive leakage	drain valve renewed
Pressurizer Level Transmitter	none	leaking transmitter reference leg	transmitter reads high	reference leg fitting tightened
Safety Injection Valve 864B	none	loose bolts	loose connection between motor operator and valve yoke	valve yoke bolts tightened
NIS Intermediate Range #35	none	misadjusted trip points	high trip points	trip points reset

[illegible]