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DOCTYPE: LETTER NOTARIZED: NO  
SUBJECT:  
MONTHLY OPERATING REPORT FOR THE MONTH OF JUNE, 1978.

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LTR 1 ENCL 1

PLANT NAME: H B ROBINSON - UNIT 2

REVIEWER INITIAL: XRS  
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PLANT SYSTEMS BR\*\*W/ENCL  
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EXTERNAL: LPDR'S  
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DISTRIBUTION: LTR 41 ENCL 41  
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*CP*



Carolina Power & Light Company

July 10, 1978

FILE: NG-3513 (R)

SERIAL: GD-78-1869

Mr. Ernst Volgenau, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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

RECEIVED  
NRC  
DIVISION OF  
REGULATORY  
SERVICES

JUL 13 1978

U.S. NUCLEAR REGULATORY COMMISSION

Dear Mr. Volgenau:

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 June, 1978.

Yours very truly,

H. R. Banks  
Manager  
Nuclear Generation

DCS:mls

Enclosure

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

REGULATORY DOCKET FILE COPY

782010163

336 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

A004  
5/11

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT H. B. Robinson Two

DATE July 05, 1978

COMPLETED BY M. L. Watford

TELEPHONE 803-332-1351

MONTH June 1978

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>633</u>
2	<u>637</u>
3	<u>642</u>
4	<u>621</u>
5	<u>639</u>
6	<u>640</u>
7	<u>641</u>
8	<u>643</u>
9	<u>644</u>
10	<u>638</u>
11	<u>550</u>
12	<u>633</u>
13	<u>638</u>
14	<u>653</u>
15	<u>655</u>
16	<u>659</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>658</u>
18	<u>648</u>
19	<u>658</u>
20	<u>658</u>
21	<u>658</u>
22	<u>658</u>
23	<u>652</u>
24	<u>656</u>
25	<u>642</u>
26	<u>656</u>
27	<u>655</u>
28	<u>648</u>
29	<u>645</u>
30	<u>647</u>
31	<u>-</u>

INSTRUCTIONS

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

These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1978DOCKET NO. DPR-23UNIT NAME H. B. Robinson TwoDATE July 05, 1978COMPLETED BY M. L. WatfordTELEPHONE 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
0	0	0	0	0	0	0	0	0	0

<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 I - Same Source

(9/77)

MAINTENANCE

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
"A" M. S. P.O.R.V.	none	Faulty body to bonnet connection	leak	repacked
"B" Service Water Booster Pp	none	bad line bearing	excessive noise	bearings replaced
"C" M. S. P.O.R.V.	none	faulty packing	body to bonnet leak	repacked
"B" Service Water Booster Pp	none	loose slinger ring	excessive shaft leakage	slinger ring tightened
"C" RCP lower motor bearing	none	oil level low	alarm oil level indication	oil added
Condi-Dry Air Vacuum pp.	none	worn vanes	inefficient operation	vanes replaced
RMS-18	none	defective "O" ring	leaking water	replaced "O" ring
RMS 11 and 12 Air Pump	none	worn pump	low flow	pump replaced
"B" BAE level controller flange	none	misaligned gasket	excessive leakage	gasket replaced
NIS Indication	none	calibration drift	disagreed with colorimetric	calibrated
BIT Level Indication	none	level column needs venting	annunciator flashes	column vented
"A" E-D Generator	none	diesel solenoid leaking	losing pressure	core & spring replaced
RMS 11 and 12	none	faulty drive motor	slow speed not working	paper drive motor replaced
BIT Heaters	none	broken and shorted	out of service	heater replaced
RMS-11	none	faulty alarm circuit	erratic alarms	circuit card replaced
7A HVH Unit	none	bad switch	would not run	switch repaired
SCB	none	misaligned limit switch	no closed indication	switch adjusted

MAINTENANCE

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Valve 956E	none	misaligned limit switch	indicates open when closed	switch adjusted
Comparator 118	none	faulty transistor	inefficient operation	transistor replaced
V2-14A	none	bonnet and valve cut	leaking bonnet	valve repaired
"B" AFW Pp Valve	none	discharge valve gasket bad	gasket leak	gasket machined/replaced in service
Engine Driver Fire Pp	none	blocked fuel filter	engine not running properly	filter replaced

# OPERATING DATA REPORT

DOCKET NO. DPR-23  
 DATE 780701  
 COMPLETED BY M. L. Watford  
 TELEPHONE 332-1351

## OPERATING STATUS

1. Unit Name: H. B. Robinson Unit Two
2. Reporting Period: 780601,0000/780630,2400
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:  
None

Notes

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>4343</u>	<u>64205</u>
12. Number Of Hours Reactor Was Critical	<u>720</u>	<u>2543.38</u>	<u>49,726.00</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>45.02</u>	<u>470.07</u>
14. Hours Generator On-Line	<u>720</u>	<u>2235.54</u>	<u>48,441.41</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,571,645</u>	<u>4,571,847</u>	<u>98,839,343</u>
17. Gross Electrical Energy Generated (MWH)	<u>487,162</u>	<u>1,445,288</u>	<u>31,950,591</u>
18. Net Electrical Energy Generated (MWH)	<u>463,298</u>	<u>1,357,633</u>	<u>30,277,622</u>
19. Unit Service Factor	<u>100</u>	<u>51.47</u>	<u>75.45</u>
20. Unit Availability Factor	<u>100</u>	<u>51.47</u>	<u>75.45</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.76</u>	<u>47.01</u>	<u>70.91</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.92</u>	<u>44.66</u>	<u>67.37</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>6.91</u>	<u>14.55</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):

	Forecast	Achieved
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INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

_____	_____
_____	_____
_____	_____