

# OPERATING DATA REPORT

DOCKET NO. DPR-23  
 DATE Dec. 6, 1978  
 COMPLETED BY M. L. Watford  
 TELEPHONE (803) 332-1351

## OPERATING STATUS

1. Unit Name: H. B. Robinson No. 2
2. Reporting Period: 781101,0000/781130,2400
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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

No change.

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>8016</u>	<u>67 878</u>
12. Number Of Hours Reactor Was Critical	<u>720</u>	<u>5886.77</u>	<u>53 068.89</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>255.13</u>	<u>680.18</u>
14. Hours Generator On-Line	<u>720</u>	<u>5565.59</u>	<u>51 771.46</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 559 923</u>	<u>11 761 306</u>	<u>106 028 802</u>
17. Gross Electrical Energy Generated (MWH)	<u>507 331</u>	<u>3 701 931</u>	<u>34 207 234</u>
18. Net Electrical Energy Generated (MWH)	<u>483 391</u>	<u>3 497 524</u>	<u>32 417 513</u>
19. Unit Service Factor	<u>100</u>	<u>69.43</u>	<u>76.27</u>
20. Unit Availability Factor	<u>100</u>	<u>69.43</u>	<u>76.27</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.96</u>	<u>65.61</u>	<u>71.82</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.91</u>	<u>62.33</u>	<u>68.23</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>8.38</u>	<u>14.24</u>

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

Refueling, 790513, 6 weeks

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

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

-  
-  
-

-  
-  
-

7812150351

(9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT H. B. Robinson No. 2

DATE Dec. 6, 1978

COMPLETED BY M. L. Watford

TELEPHONE (803) 332-1351  
Ext. 253

MONTH November, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>670</u>
2	<u>681</u>
3	<u>681</u>
4	<u>682</u>
5	<u>665</u>
6	<u>683</u>
7	<u>683</u>
8	<u>682</u>
9	<u>681</u>
10	<u>679</u>
11	<u>680</u>
12	<u>664</u>
13	<u>680</u>
14	<u>679</u>
15	<u>675</u>
16	<u>676</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>677</u>
18	<u>679</u>
19	<u>665</u>
20	<u>677</u>
21	<u>680</u>
22	<u>681</u>
23	<u>681</u>
24	<u>682</u>
25	<u>679</u>
26	<u>590</u>
27	<u>681</u>
28	<u>681</u>
29	<u>568</u>
30	<u>680</u>
31	<u>-</u>

## 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

DOCKET NO. DPR-23UNIT NAME H. B. Robinson No. 2DATE Dec. 6, 1978COMPLETED BY M. L. WatfordTELEPHONE (803) 332-1351REPORT MONTH November

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
None									

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
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)

<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)

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Seal Tube (Incore Room)	None	Fitting was loose	Leaking	Fitting was tightened
"B" Boric Acid Evaporator	None	Impeller & Bearings were excessively worn	Feedpump keeps blowing fuses	Replaced with new parts
CVCS PCV-145	None	Two nuts missing on bonnet	The Regulator & diaphragm were leaking	Replaced two nuts
Component Cooling System	None	Broken flange	Leaking	Replaced with new flange
Base & Cation Filter	None	Depleted filters	Excessive differential Pressure	Replaced with new filters
"C" MSIV (in jungle)	None	Worn Packing	System leak	Replaced with new packing
"A" MSIV Bypass valve	None	Worn Packing	System Leak	Replaced with new packing
CVC-354 Valve	None	Defective valve bonnet	Inefficient operation	Replaced with new bonnet
"A" Feedwater regulator	None	Operator hold down bolts were broken off	Inoperable	Replaced operator hold down bolts
CV Personnel Hatch	None	Door was not operating properly	Worn bearing	Cleaned & tightened packing nuts
RC-556B Valve	None	Loose packing nuts	Leaking	Cleaned & tightened packing nuts
"A" CCW Heat Exchanger	None	Crud buildup	Unsatisfactory Operation	Cleaned tubes and covers
"B" Boric Acid Evaporator	None	Worn bearings & bearing housing	Feedpump keeps blowing fuses	Replaced with new parts
"B" CC Water Heat Exchanger	None	Build up of crud in heat exchanger	Unsatisfactory operation	Cleaned

## MAINTENANCE

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Union between 956 C & D (Valves)	None	Deteriorated union	Leaking	Replaced with bulkhead union
RMS-21	None	Pump vanes broken	Low flow	Replace with new vanes