

# OPERATING DATA REPORT

DOCKET NO. DPR-23  
DATE 791102  
COMPLETED BY M.L. Watford  
TELEPHONE 803-383-4524

## OPERATING STATUS

1. Unit Name: H. B. Robinson Two
2. Reporting Period: 791001,0000/791031,2400
3. Licensed Thermal Power (MWt): 2300
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:  
NO CHANGE

Notes There are 120 PWR spent fuel assemblies in the HBR 2 fuel pool.

9. Power Level To Which Restricted, If Any (Net MWe): 2200 MWT
10. Reasons For Restrictions, If Any: Excessive Moisture Carryover to H.P. Turbine

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>745</u>	<u>7296</u>	<u>75,918</u>
12. Number Of Hours Reactor Was Critical	<u>744.33</u>	<u>4935.41</u>	<u>58,748.30</u>
13. Reactor Reserve Shutdown Hours	<u>.67</u>	<u>33.72</u>	<u>713.90</u>
14. Hours Generator On-Line	<u>742.92</u>	<u>4731.90</u>	<u>57,247.36</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>23.20</u>	<u>23.20</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,556,695</u>	<u>9,895,669</u>	<u>117,476,738</u>
17. Gross Electrical Energy Generated (MWH)	<u>502,974</u>	<u>3,210,246</u>	<u>37,924,347</u>
18. Net Electrical Energy Generated (MWH)	<u>478,600</u>	<u>3,041,130</u>	<u>35,941,225</u>
19. Unit Service Factor	<u>99.72</u>	<u>64.86</u>	<u>75.41</u>
20. Unit Availability Factor	<u>99.72</u>	<u>65.17</u>	<u>75.44</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.60</u>	<u>62.68</u>	<u>71.19</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.77</u>	<u>59.55</u>	<u>67.63</u>
23. Unit Forced Outage Rate	<u>.28</u>	<u>5.28</u>	<u>13.40</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	-	-

7911140/55 (9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23  
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 TELEPHONE 803-383-4524

MONTH OCTOBER, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>574</u>	17	<u>686</u>
2	<u>682</u>	18	<u>676</u>
3	<u>682</u>	19	<u>685</u>
4	<u>681</u>	20	<u>685</u>
5	<u>681</u>	21	<u>671</u>
6	<u>662</u>	22	<u>683</u>
7	<u>682</u>	23	<u>685</u>
8	<u>683</u>	24	<u>683</u>
9	<u>685</u>	25	<u>684</u>
10	<u>686</u>	26	<u>683</u>
11	<u>687</u>	27	<u>674</u>
12	<u>688</u>	28	<u>373</u>
13	<u>687</u>	29	<u>416</u>
14	<u>664</u>	30	<u>417</u>
15	<u>689</u>	31	<u>424</u>
16	<u>687</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

REPORT MONTH OCTOBER, 1979

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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
09-30	790930	F	2.08	H	3	-	CB	XXXXXX	Fire on cold leg in "C" RCP Bay. Initiated from RCP upper thrust bearing oil leak.
10-01	791027	F	-	A	4	-	HH	Pump XX	Load reduction due to "A" Feedwater Pump motor 4160 ground.

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

# MAINTENANCE

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
RMS - 2- Radiation Monitoring System	NONE	Upper Limit Switch Misaligned	Dual Indication	Upper Limit Switch Properly Aligned
Seal Water Return Filters	NONE	Filters Contaminated	High Radiation Levels	Filters Changed
HVS-1 Fan/Motor Base	NONE	Continued Operation	Broken Anchor Bolts	New Anchor Bolts Installed
HVS-1 Fan/Motor Pulley	NONE	Excessive Wear	Belt Broke	Belt Replaced
HVE-2B Discharge Damper Positioner	NONE	Excessive Wear	Damp Not Operating Properly	Positioner Renewed

MAINTENANCE for September 1979

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
'A' Emergency D-G Cooling Pump	None	Bearing locked-up and bent shaft	Pp kept tripping off	Shaft straightened and bearing replaced.
'A' Charging Pump	None	Worn Valves	Will not hold 60 gpm orifice	Valves replaced.
Snubber #33 and #34	None	Piston rod material questionable	Preventive meas- ure	Piston rod changed.
Flow Detector FI-122	None	Faulty Weld	Pinhole leak	Rewelded.
RCS Filters	None	Filters depleted	High Radiation levels	Filters changed.
Calibration of various flow, pressure, and temperature transmit- ters.	None	Periodic Calibration	-	-