

NOV 7 1978

OPERATING DATA REPORT

DOCKET NO. DPR-23
 DATE 781102
 COMPLETED BY M.L. Watford
 TELEPHONE 803-332-1351
 Ext. 253

OPERATING STATUS

1. Unit Name: H. B. Robinson
2. Reporting Period: 781001,0000/781031,2400
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>745</u>	<u>7296</u>	<u>67 158</u>
12. Number Of Hours Reactor Was Critical	<u>743.13</u>	<u>5166.77</u>	<u>52 348.89</u>
13. Reactor Reserve Shutdown Hours	<u>1.87</u>	<u>255.13</u>	<u>680.18</u>
14. Hours Generator On-Line	<u>742.03</u>	<u>4845.59</u>	<u>51 051.46</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 616 050</u>	<u>10 201 383</u>	<u>104 468 879</u>
17. Gross Electrical Energy Generated (MWH)	<u>520 647</u>	<u>3 194 600</u>	<u>33 699 903</u>
18. Net Electrical Energy Generated (MWH)	<u>495 808</u>	<u>3 014 133</u>	<u>31 934 122</u>
19. Unit Service Factor	<u>99.60</u>	<u>66.41</u>	<u>76.02</u>
20. Unit Availability Factor	<u>99.60</u>	<u>66.41</u>	<u>76.02</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.08</u>	<u>62.12</u>	<u>71.50</u>
22. Unit Capacity Factor (Using DER Net)	<u>95.07</u>	<u>59.02</u>	<u>67.93</u>
23. Unit Forced Outage Rate	<u>00.40</u>	<u>9.51</u>	<u>14.41</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
None

7811160120

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>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
 UNIT H. B. Robinson
 DATE 781103
 COMPLETED BY M.L. Watford
 TELEPHONE 803-332-1351
Ext. 253

MONTH October, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	660
2	666
3	672
4	671
5	667
6	669
7	670
8	657
9	676
10	676
11	675
12	675
13	675
14	674
15	610
16	551

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	676
18	679
19	678
20	677
21	676
22	677
23	651
24	669
25	677
26	677
27	677
28	673
29	646
30	675
31	678

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1978

DOCKET NO. DPR-23
 UNIT NAME H. B. Robinson
 DATE 781103
 COMPLETED BY M. L. Watford
 TELEPHONE 332-1351

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
10-01	781016	F	2.97	A	3	None	CH	Valvex	"C" Feedwater Regulator Valve failed closed - low S/G level

¹ F: Forced
 S: Scheduled

² 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)

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)

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MAINTENANCE

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Low Level Amplifier Model 175511	None	Defective Capacitors	Erratic Output	Capacitors replaced
CVC-348 Valve	None	Defective Bonnet Assembly	Excessive Leakage	Bonnet assembly replaced
"A" Emergency Diesel Oil Sump	None	Low Oil Level	-	Added Oil
"C" PPS Header	None	Loose Seals in Exhaust and Inlet	Excessive Leakage	Seals tightened
Spent Fuel Cask	None	Purge Valves Periodic Change	-	Replaced head gasket
RMS-18	None	Contamination Buildup	Indicating High Level	Deconned
North Service Water Header Strainer	None	Defective Limit Switch	Would not Operate	Cleaned switch
Service Water Pump "A"	None	Worn Motors	Inefficient Opera- tion	Motor replaced
Service Water Pump "A" Disc. Vent	None	Excessive Rust	Flow Restricted	Rust removed
HVS-1	None	Loose belts	Belts slipping	Belts replaced
Valve - CVC-368	None	Defective Diaphragm	Excessive leakage	Replaced with new diaphragm
J-3 Shutdown Bank "A"	None	Module Out of Calibration	Reads 15-20 Inches Low	Module Rezeroed
"C" Charging Pump	None	Valves and Guides Worn Exces- sively	Low Pumping Capa- city	Replaced with New Valves & Guides
HVH-1 Fan Cooler	None	Leak in Cooler Tubes	Excessive Leakage	Repaired with brass plugs
"A" Charging Pump	None	Worn Plunger	Excessive Leakage	Replaced plungers and packing
"C" Charging Pump Suction Vent	None	CVC-2750 Missing Hand Wheel	Valve Stem Ruined	Replaced valve bonnet and handwheel
"B" Diesel Generator	None	Oil & Carbon Deposits on Start- ing Air Check Valve	Failure to Start	Valve was cleaned
"C" FW Regulator Valve	None	Stopped-up Sensing Line	Control Loop Swing- ing	Sensing line cleared
BIT Heaters	None	Open and Broken Heater Strips	Inefficient Opera- tion	Damaged heater replaced
HVH-2	None	Tube Leaks	Excessive Leakage	Tubes plugged