

OPERATING DATA REPORT

DOCKET NO. DPR-23
 DATE Feb.02,1979
 COMPLETED BY M.L.Watford
 TELEPHONE (803)332-1351

OPERATING STATUS

1. Unit Name: H. B. Robinson Two
2. Reporting Period: 790101,0000/790131,2400
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:
No change

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>744</u>	<u>744</u>	<u>69,366</u>
12. Number Of Hours Reactor Was Critical	<u>739.56</u>	<u>739.56</u>	<u>54,552.45</u>
13. Reactor Reserve Shutdown Hours	<u>1.67</u>	<u>1.67</u>	<u>681.85</u>
14. Hours Generator On-Line	<u>700.82</u>	<u>700.82</u>	<u>53,216.28</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,503,322</u>	<u>1,503,322</u>	<u>109,084,391</u>
17. Gross Electrical Energy Generated (MWH)	<u>491,259</u>	<u>491,259</u>	<u>35,205,360</u>
18. Net Electrical Energy Generated (MWH)	<u>467,190</u>	<u>467,190</u>	<u>33,367,285</u>
19. Unit Service Factor	<u>94.20</u>	<u>94.20</u>	<u>76.72</u>
20. Unit Availability Factor	<u>94.20</u>	<u>94.20</u>	<u>76.72</u>
21. Unit Capacity Factor (Using MDC Net)	<u>94.43</u>	<u>94.43</u>	<u>72.34</u>
22. Unit Capacity Factor (Using DER Net)	<u>89.71</u>	<u>89.71</u>	<u>68.72</u>
23. Unit Forced Outage Rate	<u>5.80</u>	<u>5.80</u>	<u>13.96</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling - May 13, 1979 - 6 weeks</u>			

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>

7902130072

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
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MONTH January 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>670</u>	17	<u>690</u>
2	<u>685</u>	18	<u>690</u>
3	<u>686</u>	19	<u>689</u>
4	<u>689</u>	20	<u>688</u>
5	<u>682</u>	21	<u>634</u>
6	<u>98</u>	22	<u>686</u>
7	<u>0</u>	23	<u>666</u>
8	<u>461</u>	24	<u>603</u>
9	<u>677</u>	25	<u>666</u>
10	<u>597</u>	26	<u>688</u>
11	<u>686</u>	27	<u>686</u>
12	<u>688</u>	28	<u>669</u>
13	<u>687</u>	29	<u>688</u>
14	<u>689</u>	30	<u>690</u>
15	<u>684</u>	31	<u>689</u>
16	<u>685</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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 79

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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
01-01	010579	S	-	B	4	-	HC	HTEXCH	Inspect Condenser Waterboxes for leaking tubes - Load Reduction.
01-02	010679	F	37.55	A	3	-	HH	HTEXCH	"C" Steam Generator Hi Level
01-03	010779	F	5.63	A	3	-	HH	HTEXCH	"B" Steam Generator Hi Level

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

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
NIS Indication	none	Low adjustment	Low reading	Adjusted to correct reading
Service Water Booster Pump	none	Broken handle	Will not operate	Replaced with new handle
Waste Disposal System	none	Bad solenoid valve	Leaking valve	Replaced valve
HVH-2 Cooling System	none	Outlet Valve Seat Loose	Meter pegged high	Replaced Valve
CV Purge Exhaust Valve	none	Bad seal	Leaking	Replaced seals
"B" Steam Generator	none	Bad tee weld	Leaking	Welded tee
BIT Inlet	none	Lack of lubrication	Relayed operation	Lubricated
"B" Boric Acid Evap.	none	Bad solenoid valve	Trips out	Replaced valve
Tube Bundle On "B" Boric Acid Evap.	none	Inadequate seal on joint	Leaking	Applied sealer compound
CVCS Charging Line to "A" Loop in CV	none	Broken pipe supports	Need support	Repaired pipe supports
"C" Charging Pump	none	Worn valves, valve guides & seals	Knocking	Replaced with new parts.

MAINTENANCE

WORK SHEET

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Reactor Protection	none	Excessive wear	Defective switch	Switch replaced
NIS Isolation Amp	none	Excessive wear	Defective potentiometers	Potentiometers replaced
Signal Summator	none	Leaking capacitors	Excessive output	Capacitors replaced
Square Root Extractor	none	Broken connector	Damaged dual amplifier board	Connector replaced