

OPERATING DATA REPORT

DOCKET NO: 50-261
DATE: 820105
COMPLETED BY: H. Ray Norris
TELEPHONE: 803-383-4524

OPERATING STATUS

Notes:

There are presently 113 spent fuel assemblies stored in the spent fuel pool.

1. Unit Name: H. B. Robinson Unit Two
2. Reporting Period: 811201, 0000/811231, 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 (Item Number 3 through 7) Since Last Report, Give Reasons: No change.
9. Power Level to Which Restricted, If Any (Net MWe): ~535 (80% Reactor Power)
10. Reasons For Restrictions, If Any: Although the unit is not restricted by any outside agency, the power level is presently reduced due to steam generator considerations.

| | This Month | Yr.-to-Date | Cumulative |
|---|------------|-------------|-------------|
| 11. Hours in Reporting Period | 744 | 8760 | 94,926 |
| 12. Number of Hours Reactor Was Critical | 671.43 | 6580.14 | 72345.42 |
| 13. Reactor Reserve Shutdown Hours | 0 | 107.42 | 1085.30 |
| 14. Hours Generator On-Line | 632.56 | 6396.49 | 70555.31 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 23.20 |
| 16. Gross Thermal Energy Generated (MMH) | 1,039,736 | 11,883,000 | 143,095,374 |
| 17. Gross Electrical Energy Generated (MMH) | 332,458 | 3,737,203 | 46,075,970 |
| 18. Net Electrical Energy Generated (MMH) | 309,894 | 3,503,799 | 43,620,251 |
| 19. Unit Service Factor | 85.02 | 73.01 | 74.32 |
| 20. Unit Availability Factor | 85.02 | 73.01 | 74.35 |
| 21. Unit Capacity Factor (Using MDC Net) | 62.63 | 60.14 | 69.10 |
| 22. Unit Capacity Factor (Using DER Net) | 59.50 | 57.13 | 65.64 |
| 23. Unit Forced Outage Rate | 14.97 | 21.23 | 14.59 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
refueling/maintenance outage in late winter.

25. If Shut Down At End of Report Period, Estimated Date of Startup: _____

| 26. Units In Test Status (Prior to Commercial Operation): | Forecast | Achieved |
|---|----------|----------|
| INITIAL CRITICALITY | -- | -- |
| INITIAL ELECTRICITY | -- | -- |
| COMMERCIAL OPERATION | -- | -- |

DOCKET NO. 50-261
 UNIT H. B. Robinson T
 DATE 820105
 COMPLETED BY H. Ray Norris
 TELEPHONE 803-383-4524

MONTH December

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | -6 |
| 2 | -20 |
| 3 | -20 |
| 4 | 362 |
| 5 | 424 |
| 6 | 29 |
| 7 | 216 |
| 8 | 345 |
| 9 | 403 |
| 10 | 408 |
| 11 | 404 |
| 12 | 522 |
| 13 | 559 |
| 14 | 561 |
| 15 | 560 |
| 16 | 528 |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | 97 |
| 18 | 550 |
| 19 | 556 |
| 20 | 561 |
| 21 | 519 |
| 22 | 462 |
| 23 | 560 |
| 24 | 553 |
| 25 | 553 |
| 26 | 560 |
| 27 | 548 |
| 28 | 547 |
| 29 | 451 |
| 30 | 557 |
| 31 | 559 |

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. 50-261
UNIT NAME H. B. Robinson Unit
DATE 820105
COMPLETED BY H. Ray Norris
TELEPHONE 803-383-4524

REPORT MONTH December

| 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 |
|-------|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 12-01 | 811201 | F | 54.73 | A | 1 | 81-26 | HB | HTEXCH | S/G Tube Leak (Continuation) |
| 12-02 | 811203 | F | 16.32 | A | 1 | -- | HH | VALVEX | "B" FWRV Malfunction |
| 12-03 | 811206 | F | 11.01 | A | 1 | -- | MH | VALVEX | "B" FWRV Repaired |
| 12-04 | 811206 | F | 3.11 | A | 3 | -- | EA | INSTRU | Rx trip due to low S/G level and steam flow - feed flow mismatch |
| 12-05 | 811207 | F | 7.15 | A | 3 | -- | HB | INSTRU | Grounded limit switch - "B" MSIV shut, resulting in low S/G level. |
| 12-06 | 811216 | F | 19.12 | A | 1 | -- | HA | PUMPXX | "B" EH Pump Seal Leak |
| 12-07 | 811207 | F | -- | A | 4 | -- | HH | VALVEX | Load reduction due to "B" feedwater reg. valve (HiΔP across valve) |
| 12-08 | 811221 | F | -- | A | 4 | -- | BH | VALVEX | Load reduction due to "B" FWRV drain line leak, |
| 12-09 | 811228 | F | -- | A | 4 | -- | BH | PUMPXX | Load reduction due to "A" main feed pump recirc. line leak |

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 (LIR) File (NUREG-0161)

⁵ Exhibit I - Same Source

OPERATING DATA REPORT

*Corrected Copy

DOCKET NO: 50-261

DATE: 811203

COMPLETED BY: H. Ray Norris

TELEPHONE: 803-383-4524

OPERATING STATUS

Notes:

There are presently 113 spent fuel assemblies stored in the spent fuel pool.

1. Unit Name: H. B. Robinson Unit Two
 2. Reporting Period: 811101,0000/811130,2400
 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 (Item Number 3 through 7) Since Last Report, Give Reasons: No change.
-
9. Power Level to Which Restricted, If Any (Net MWe): ~325 (50% Reactor Power)
 10. Reasons For Restrictions, If Any: Although the unit is not restricted by any outside agency, the power level is presently reduced due to steam generator considerations.

| | This Month | Yr.-to-Date | Cumulative |
|--|------------|-------------|-------------|
| 11. Hours in Reporting Period | 720 | 8016 | 94,182 |
| 12. Number of Hours Reactor Was Critical | 170.75 | 5908.71 | 71673.99 |
| 13. Reactor Reserve Shutdown Hours | 0 | *107.42 | *1085.30 |
| 14. Hours Generator On-Line | 163.13 | 5763.93 | 69922.75 |
| 15. Unit Reserve Shutdown Hours | 0.00 | 0.00 | 23.20 |
| 16. Gross Thermal Energy Generated (MWH) | 182,326 | 10,843,264 | 142,055,638 |
| 17. Gross Electrical Energy Generated (MWH) | 55,381 | 3,404,745 | 45,743,512 |
| 18. Net Electrical Energy Generated (MWH) | 43,006 | 3,193,905 | 43,310,357 |
| 19. Unit Service Factor | 22.65 | 71.90 | 74.24 |
| 20. Unit Availability Factor | 22.65 | 71.90 | 74.26 |
| 21. Unit Capacity Factor (Using MDC Net) | 8.98 | 59.92 | 69.15 |
| 22. Unit Capacity Factor (Using DER Net) | 8.53 | 56.92 | 65.69 |
| 23. Unit Forced Outage Rate | 77.34 | 21.92 | 14.59 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling/Maintenance Outage in late winter. | | | |

25. If Shut Down At End of Report Period, Estimated Date of Startup: 12-1-81
 26. Units In Test Status (Prior to Commercial Operation):
- | | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY | -- | -- |
| INITIAL ELECTRICITY | -- | -- |
| COMMERCIAL OPERATION | -- | -- |

(9/77)

OPERATING DATA REPORT *Corrected Copy

DOCKET NO: 50-261
DATE: 811103
COMPLETED BY: M. Watford
TELEPHONE: 803-383-4524

OPERATING STATUS

Notes:
There are presently 113 spent fuel assemblies stored in the spent fuel pool.

1. Unit Name: H. B. Robinson Unit Two
2. Reporting Period: 811001, 0000/811031, 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 (Item Number 3 through 7) Since Last Report, Give Reasons: No change.

9. Power Level to Which Restricted, If Any (Net MWe): ~325 (50% Reactor Power)
10. Reasons For Restrictions, If Any: Although the unit is not restricted by any outside agency, the power level is presently reduced due to steam generator considerations.

| | This Month | Yr.-to-Date | Cumulative |
|---|------------|-------------|-------------|
| 11. Hours in Reporting Period | 745 | 7296 | 93,462 |
| 12. Number of Hours Reactor Was Critical | 745 | 5737.96 | 71,503.24 |
| 13. Reactor Reserve Shutdown Hours | *0.00 | *107.42 | *1085.30 |
| 14. Hours Generator On-Line | 735.80 | 5600.80 | 69,759.62 |
| 15. Unit Reserve Shutdown Hours | 0.00 | 0.00 | 23.20 |
| 16. Gross Thermal Energy Generated (MWH) | 843,881 | 10,660,938 | 141,873,312 |
| 17. Gross Electrical Energy Generated (MWH) | 252,864 | 3,349,364 | 45,688,131 |
| 18. Net Electrical Energy Generated (MWH) | 232,179 | 3,150,899 | 43,267,351 |
| 19. Unit Service Factor | 98.77 | 76.77 | 74.64 |
| 20. Unit Availability Factor | 98.77 | 76.77 | 74.66 |
| 21. Unit Capacity Factor (Using MDC Net) | 46.86 | 64.94 | 69.62 |
| 22. Unit Capacity Factor (Using DER Net) | 44.52 | 61.70 | 66.13 |
| 23. Unit Forced Outage Rate | 1.23 | 15.87 | 14.03 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Two outages are planned within the next six months; one in early November and a refueling/maintenance outage in late winter.

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 | -- | -- |