

DR Central File



Carolina Power & Light Company

November 13, 1974

File: NG-3513 (R)

Serial: NG-74-1351

Mr. Donald Knuth
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Knuth:

H. B. ROBINSON UNIT NO. 2
LICENSE DPR-23
MONTHLY OPERATING DATA REPORTS

Enclosed please find the H. B. Robinson Unit No. 2 Monthly Operating Data Reports as required by your letter of February 19, 1974. This report is for the month of October, 1974.

Yours very truly,

E. E. Utley
Vice-President
Bulk Power Supply

DBW:mvp
Enclosures

cc: Messrs. N. B. Bessac
J. L. Harness
W. B. Howell
J. B. McGirt
D. V. Menscer
N. C. Moseley
D. B. Waters

Monthly DR File

DOCKET NO. 50-261UNIT H. B. Robinson #2DATE 11/5/74COMPLETED BY M. L. Watford

AVERAGE DAILY UNIT POWER LEVEL

MONTH October

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	669*	17	693*
2	676*	18	691*
3	681*	19	692*
4	682*	20	681*
5	683*	21	695*
6	667*	22	694*
7	682*	23	694*
8	684*	24	694*
9	684*	25	694*
10	675*	26	694*
11	17	27	668*
12	-	28	690*
13	-	29	691*
14	321	30	688*
15	696*	31	692*
16	696*		

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

On this form, list the average daily unit power level in MWe-net for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that by using maximum dependable capacity for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

*Note: Lake temperature reduced, resulting in increased power level above MDC.

UNIT H. B. Robinson UnitDATE 11/11/74COMPLETED BY J. L. HarnessDOCKET NO. 50-261

OPERATING STATUS

1. REPORTING PERIOD: 0000,741001 THROUGH 2400,741031
 HOURS IN REPORTING PERIOD: 745
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 2200 MAX. DEPENDABLE CAPACITY (MWe-NET) 665
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): None
4. REASONS FOR RESTRICTION (IF ANY):

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	<u>709.8</u>	<u>5,961.82</u>	<u>24,031.73</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>35.2</u>	<u>127.68</u>	<u>**</u>
7. HOURS GENERATOR ON LINE	<u>666.0</u>	<u>5,839.72</u>	<u>23,469.51</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,462,454</u>	<u>12,371,943</u>	<u>47,353,169.4</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>475,856</u>	<u>4,001,378</u>	<u>15,436,589</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>453,034</u>	<u>3,798,787</u>	<u>14,630,308</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>95.28</u>	<u>81.71</u>	<u>74.67</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>89.40</u>	<u>80.04</u>	<u>72.92</u>
14. UNIT CAPACITY FACTOR (3)	<u>91.44</u>	<u>78.30</u>	<u>68.36</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>0</u>	<u>2.38</u>	<u>17.06</u>
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH).			

17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: On line
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:

	DATE LAST FORECAST	DATE ACHIEVED
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICAL POWER GENERATION	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (2) UNIT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
- (3) UNIT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET) X HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS}} \times 100$

*Cumulative to date revised on this report to reflect date of commercial operation

UNIT SHUTDOWNS

DOCKET NO. 50-261UNIT NAME H. B. Robinson UnitDATE November 4, 1974COMPLETED BY M. L. WatfordREPORT MONTH October 1974

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
	10-11	S	27	B,E	A	Secondary work and AEC Exams AEC Exams
	10-12	S	2.25	E	A	
	10-12	S	1	E	A	
	10-12	S	.75	E	A	
	10-12	S	.25	E	A	
	10-12	S	.25	E	A	
	10-13	S	1.5	E	A	
	10-13	S	.5	E	A	
	10-13	S	.5	E	A	
	10-13	S	.75	E	A	
	10-13	S	.25	E	A	
	10-14	S	.5	A		
						(1) REASON A - EQUIPMENT FAILURE (EXPLAIN) B - MAINT. OR TEST C - REFUELLING D - REGULATORY RESTRICTION E - OPERATOR TRAINING AND LICENSE EXAMINATION F - ADMINISTRATIVE G - OPERATIONAL ERROR (EXPLAIN) -- H - OTHER (EXPLAIN)
						(2) METHOD 1 - MANUAL 2 - MANUAL SCRAM 3 - AUTOMATIC SCRAM

SUMMARY: The Unit was on the line 666.05 hours during the month with an operating capacity factor of 91.4%.