

50-261

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
MONTHLY REPORT

TO:

MR D KNUTH

FROM: CAROLINA POWER & LIGHT CO  
RALEIGH, NC  
E E UTLEY

DATE OF DOCUMENT  
2-11-76

DATE RECEIVED  
2-17-76

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PROP

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## DESCRIPTION

LETTER TRANS THE FOLLOWING:

PLANT NAME: H. B. ROBINSON #2

## ENCLOSURE

MONTHLY REPORT FOR JANUARY 1976  
PLANT & COMPONENT OPERABILITY &  
AVAILABILITY. THIS REPORT TO BE USED IN  
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

**NOT RECORDED  
DO NOT REMOVE**

## SAFETY

FOR ACTION/INFORMATION

ENVIRO 2-18-76 RB

X	MI PC
	W/4 CYS FOR ACTION

INTERNAL DISTRIBUTION

X	REG FILE
X	NRC PDR
X	MCDONALD
X	S. CHAPMAN
X	BRANCH CHIEF (L)
X	LIC. ASST. (L)

REID  
INGRAM

## EXTERNAL DISTRIBUTION

CONTROL NUMBER

X	LPDR:	HARTVILLE, SC
X	TIC	
X	NSIC	

1546



Carolina Power & Light Company

February 11, 1976

Regulatory Docket File

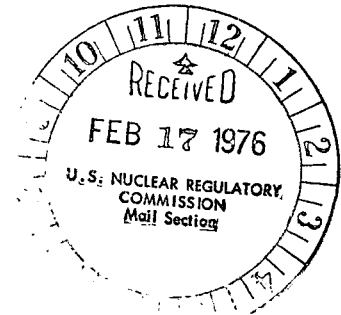
File: NG-3513 (R)

Serial: NG-76-195

Mr. Donald Knuth, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Knuth:

H. B. ROBINSON UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
MONTHLY OPERATING DATA REPORTS



Enclosed please find the H. B. Robinson Unit No. 2 Operating  
Data Report. This report is for the month of January, 1976.

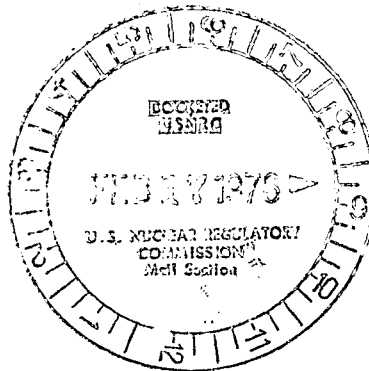
Yours very truly,

E. E. Utley  
Vice President  
Bulk Power Supply

CSB:jwk

Enclosure

cc: Messrs. W. G. McDonald  
N. C. Moseley



1546

# APPENDIX C

DOCKET NO. DPR-23  
 UNIT H. B. Robinson  
 DATE 2/3/76  
 COMPLETED BY M. L. Watford

## AVERAGE DAILY UNIT POWER LEVEL

MONTH January, 1976

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	702
2	700
3	700
4	641
5	697
6	702
7	702
8	702
9	503
10	693
11	695
12	703
13	627
14	-16
15	-5
16	-5

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
17	-16
18	210
19	692
20	697
21	700
22	701
23	703
24	703
25	682
26	703
27	703
28	700
29	699
30	699
31	700

\*Daily power level may exceed 100% power due to impoundment temperature.

### 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.

# APPENDIX D

UNIT H. B. Robinson  
 DATE 2/3/76  
 COMPLETED BY M. L. Watford  
 DOCKET NO. DPR-23

## OPERATING STATUS

1. REPORTING PERIOD: 0000,760101 THROUGH 2400,760131  
 HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 2200 MAX. DEPENDABLE CAPACITY (MWe-NET) 700
3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): None
4. REASONS FOR RESTRICTION (IF ANY): None

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	<u>632.23</u>	<u>632.23</u>	<u>32649.73</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>229.49</u>
7. HOURS GENERATOR ON LINE	<u>627.84</u>	<u>627.84</u>	<u>31926.84</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,357,013</u>	<u>1,357,013</u>	<u>65478454</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>453995</u>	<u>453995</u>	<u>21349919</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>432356</u>	<u>432356</u>	<u>20247858</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>84.98</u>	<u>84.98</u>	<u>75.82</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>84.39</u>	<u>84.39</u>	<u>74.14</u>
14. UNIT CAPACITY FACTOR (3)	<u>83.02</u>	<u>83.02</u>	<u>67.17</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>15.61</u>	<u>15.61</u>	<u>17.44</u>
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH): <u>None</u>			

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 =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS}} \times 100$

# APPENDIX E UNIT SHUTDOWNS

DOCKET NO. DPR-23  
UNIT NAME H. B. Robinson  
DATE 2/3/76  
COMPLETED BY M. L. Watford

REPORT MONTH January, 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
	1/9/76	F	4.50	A	3	Loss of Instrument Buses No. 3 and No. 8
	1/13/76	F	110.50	A	1	"A" RCP Seal Failure
						<p>(1) REASON</p> <p>A - EQUIPMENT FAILURE (EXPLAIN)</p> <p>B - MAINT. OR TEST</p> <p>C - REFUELING</p> <p>D - REGULATORY RESTRICTION</p> <p>E - OPERATOR TRAINING AND LICENSE EXAMINATION</p> <p>F - ADMINISTRATIVE</p> <p>G - OPERATIONAL ERROR (EXPLAIN)</p> <p>H - OTHER (EXPLAIN)</p> <p>(2) METHOD</p> <p>1 - MANUAL</p> <p>2 - MANUAL SCRAM</p> <p>3 - AUTOMATIC SCRAM</p>

## SUMMARY:

The unit was on the line for 627.84 hours during the month.  
The unit experienced two forced outages during the report period.