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FILE: MONTHLY REPORT FILE

FROM: Carolina Power & Light Co. Raleigh, N.C. E.E. Utdey		DATE OF DOC 3-20-75	DATE REC'D 3-20-75	LTR xxx	TWX	RPT	OTHER
TO: Mr. Donald Knuth		ORIG 1-signed	CC	OTHER	SENT AEC PDR <u>xxxx</u> SENT LOCAL PDR <u>xxx</u>		
CLASS	UNCLASS xxxxx	PROP INFO	INPUT	NO CYS REC'D 10	DOCKET NO: 50-261		

DESCRIPTION:

Ltr trans the following:

**ACKNOWLEDGED**  
**DO NOT REMOVE**

ENCLOSURES:

Monthly Report for February, 1975  
Plant & Component Operability & Availability  
This Report to be used in preparing Grey  
Book by Plans & Operations.

No. of Cys Rec'd 1

PLANT NAME: H.B. Robinson #2

FOR ACTION/INFORMATION 3-20-75 JGB

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		G.T.



Carolina Power & Light Company

March 12, 1975

50-261

File: NG-3513

Serial: NG-75-378

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  
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 February, 1975.

Also, enclosed is an amended report for the month of January, 1975. The following items have been corrected from our initial report.

1. Plant Capacity Factor - Year-to-date (Appendix D, Item 14): Correct value is "96.23" and not "996.23."
2. Force Outage Rate (Appendix D, Item 15): Correct value is "0" and not "7.92."
3. Plant Shutdown (Appendix E) number 279 was scheduled, not forced and for the reason of maintenance, not equipment failure.

Yours very truly,

E. E. Utley  
Vice-President  
Bulk Power Supply

TAW/kf  
Enclosures

cc: Messrs. N. B. Bessac  
T. E. Bowman  
J. L. Harness  
R. E. Jones  
P. W. Howe  
J. B. McGirt  
N. C. Moseley  
D. B. Waters

3009

## APPENDIX C

DOCKET NO. 50-261UNIT H. B. Robinson Unit No. 2DATE March 11, 1975COMPLETED BY Frank Watkins

## AVERAGE DAILY UNIT POWER LEVEL

MONTH February, 1975

DAY	AVERAGE DAILY POWER LEVEL (MWe-net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-net)
1	<u>665</u>	17	<u>697*</u>
2	<u>653</u>	18	<u>699*</u>
3	<u>662</u>	19	<u>701*</u>
4	<u>678*</u>	20	<u>700*</u>
5	<u>696*</u>	21	<u>696*</u>
6	<u>700*</u>	22	<u>701*</u>
7	<u>701*</u>	23	<u>684*</u>
8	<u>701*</u>	24	<u>700*</u>
9	<u>687*</u>	25	<u>700*</u>
10	<u>699*</u>	26	<u>698*</u>
11	<u>699*</u>	27	<u>697*</u>
12	<u>699*</u>	28	<u>696*</u>
13	<u>699*</u>	29	<u>        </u>
14	<u>699*</u>	30	<u>        </u>
15	<u>698*</u>	31	<u>        </u>
16	<u>685*</u>		

\*Plant average daily MWe-net exceeds maximum dependable due to low 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 Unit No. 2

DATE March 11, 1975

COMPLETED BY Frank Watkins

DOCKET NO. 50-261

## OPERATING STATUS

1. REPORTING PERIOD: 0000,750201 THROUGH 2400,750228  
HOURS IN REPORTING PERIOD: 671
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): None

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL . . . . .	<u>671</u>	<u>1357.25</u>	<u>26,848.68</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .	<u>0</u>	<u>57.75</u>	<u>189.03</u>
7. HOURS GENERATOR ON LINE . . . . .	<u>671</u>	<u>1356.02</u>	<u>26,283.63</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>1,467,417.6</u>	<u>2,962,396.6</u>	<u>53,495,176.6</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>486,856</u>	<u>986,440</u>	<u>17,485,874</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>464,654</u>	<u>940,756</u>	<u>16,585,484</u>
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>100.00</u>	<u>95.92</u>	<u>76.77</u>
13. UNIT AVAILABILITY FACTOR (2) . . . . .	<u>100.00</u>	<u>85.83</u>	<u>75.15</u>
14. UNIT CAPACITY FACTOR (3) . . . . .	<u>104.13*</u>	<u>99.98</u>	<u>71.31</u>
15. UNIT FORCED OUTAGE RATE (4) . . . . .	<u>0</u>	<u>0</u>	<u>18.03</u>

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):  
Scheduled shutdown for transition to all volatile water treatment for secondary chemistry control on 4/12/75 for 10 days.
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 =  $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE + FORCED OUTAGE HOURS}} \times 100$

\*Plant capacity factor exceeds 100% due to low impoundment temperatures.

**APPENDIX E  
UNIT SHUTDOWNS**

DOCKET NO. 50-261  
UNIT NAME H. B. Robinson #2

DATE March 11, 1975

COMPLETED BY Frank Watkins

REPORT MONTH February, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
						<div> <div>(1) REASON</div> <div> A EQUIPMENT FAILURE (EXPLAIN)  B MAINT. OR TEST  C REFUELING  D-REGULATORY RESTRICTION  E OPERATOR TRAINING AND    LICENSE EXAMINATION  F- ADMINISTRATIVE  G- OPERATIONAL ERROR    (EXPLAIN)  H- OTHER (EXPLAIN) </div> </div> <div> <div>(2) METHOD</div> <div> 1- MANUAL  2- MANUAL    SCRAM  3- AUTOMATIC    SCRAM </div> </div>

**SUMMARY:**

The Unit was on the line for 671 hours during the month of February. One hour was lost due to daylight savings time.

1.16-E-1

# APPENDIX C

DOCKET NO. 50-261

UNIT H. B. Robinson Plant

DATE February 1, 1975

COMPLETED BY Frank Watkins

## AVERAGE DAILY UNIT POWER LEVEL

MONTH January, 1975

AVERAGE DAILY POWER LEVEL (MWe-net)		AVERAGE DAILY POWER LEVEL (MWe-net)	
DAY		DAY	
1	<u>703*</u>	17	<u>704.7*</u>
2	<u>702*</u>	18	<u>703.8*</u>
3	<u>665.5*</u>	19	<u>687*</u>
4	<u>-</u>	20	<u>705*</u>
5	<u>-</u>	21	<u>702.8*</u>
6	<u>333*</u>	22	<u>698.5*</u>
7	<u>698*</u>	23	<u>698.2*</u>
8	<u>703*</u>	24	<u>699*</u>
9	<u>703*</u>	25	<u>698*</u>
10	<u>704*</u>	26	<u>687*</u>
11	<u>703*</u>	27	<u>700*</u>
12	<u>692*</u>	28	<u>700*</u>
13	<u>704*</u>	29	<u>699*</u>
14	<u>701.4*</u>	30	<u>689*</u>
15	<u>700*</u>	31	<u>669*</u>
16	<u>706*</u>		

\*Net Gen. was higher than maximum dependable because of low 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

CORRECTED COPY

UNIT H. B. Robinson Unit No. 2

DATE February 1, 1975

COMPLETED BY Frank Watkins

DOCKET NO. 50-261

## OPERATING STATUS

1. REPORTING PERIOD: 0000,75010 THROUGH 2400,750131  
HOURS IN REPORTING PERIOD: 744
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): None

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL . . . . .	<u>686.25</u>	<u>686.25</u>	<u>26,177.68</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .	<u>57.75</u>	<u>57.75</u>	<u>189.03</u>
7. HOURS GENERATOR ON LINE . . . . .	<u>685.02</u>	<u>685.02</u>	<u>25,612.63</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .	<u>-</u>	<u>-</u>	<u>-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>1,494,979</u>	<u>1,494,979</u>	<u>52,027,759</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>499,584</u>	<u>499,584</u>	<u>16,999,018</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>476,102</u>	<u>476,102</u>	<u>16,120,830</u>
12. REACTOR AVAILABILITY FACTOR (1) . . . . .	<u>92.24</u>	<u>92.24</u>	<u>76.31</u>
13. UNIT AVAILABILITY FACTOR (2) . . . . .	<u>92.07</u>	<u>92.07</u>	<u>74.67</u>
14. UNIT CAPACITY FACTOR (3) . . . . .	<u>96.23</u>	<u>96.23</u>	<u>70.67</u>
15. UNIT FORCED OUTAGE RATE (4) . . . . .	<u>0</u>	<u>0</u>	<u>18.42</u>

16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH):  
Scheduled shutdown for transition to all volatile water treatment for secondary chemistry control on 4/12/75 for 10 days.
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  
CORRECTED COPY

DOCKET NO. 50-261  
UNIT NAME H. B. Robinson #2  
DATE February 1, 1975  
COMPLETED BY Frank Watkins

REPORT MONTH January, 1975

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
279	1/3/75	S	58.98	B	1	Bolt replacement, Steam Generator B Condenser repair.
<div style="display: flex; justify-content: space-between;"> <div> (1) REASON  A EQUIPMENT FAILURE (EXPLAIN)  B MAINT. OR TEST  C REFUELING  D-REGULATORY RESTRICTION  E- OPERATOR TRAINING AND        LICENSE EXAMINATION  F-ADMINISTRATIVE  G- OPERATIONAL ERROR        (EXPLAIN)  H--OTHER (EXPLAIN) </div> <div> (2) METHOD  1- MANUAL  2 -MANUAL        SCRAM  3 -AUTOMATIC        SCRAM </div> </div>						

SUMMARY: One scheduled shutdown due to condenser repair. Unit was on line for 685.02 hours for the month with a capability factor of 96.23%.

1.16-E-1