

50-261

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FILE NUMBER

MONTHLY REPORT

TO:

MR E VOLGENAN

FROM: CP&L

RALEIGH, NC
H R BANKS

DATE OF DOCUMENT

5-10-76

DATE RECEIVED

5-11-76

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PROP

INPUT FORM

DESCRIPTION

LETTER TRANS THE FOLLOWING:

PLANT NAME: H.B. Robinson #2

ENCLOSURE

MONTHLY REPORT FOR APRIL 1976
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.ACKNOWLEDGMENT
DO NOT REPLY

SAFETY

FOR ACTION/INFORMATION

ENVIRO 5-13-76 RR

☒ MIPC
W/4 CYS FOR ACTION

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4775



Carolina Power & Light Company

May 10, 1976

Regulatory Docket File
File: NG-3513 (R)

Serial: NG-76-688

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

Dear Mr. Volgenan:

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
MONTHLY OPERATIONS REPORT

In accordance with Technical Specification 6.9.1.c for the
H. B. Robinson Steam Electric Plant, Unit No. 2, Carolina Power & Light
Company herewith submits the report of operating statistics and shutdown
experience for the month of April, 1976.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

CSB:jwk
Enclosure

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



4775

APPENDIX C

DOCKET NO. DPR-23UNIT H. B. Robinson TwoDATE 5/4/76COMPLETED BY M. L. Watford

AVERAGE DAILY UNIT POWER LEVEL

MONTH April, 1976DAY AVERAGE DAILY POWER LEVEL
(MWe-net)

1	624
2	690
3	692
4	206
5	419
6	689
7	687
8	687
9	688
10	689
11	690
12	689
13	688
14	688
15	687
16	687

DAY AVERAGE DAILY POWER LEVEL
(MWe-net)

17	594
18	678
19	685
20	684
21	685
22	682
23	677
24	678
25	680
26	672
27	671
28	670
29	679
30	655
31	-

* Daily Power Level May Exceed 100%
Capacity 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 Two

DATE 5/4/76

COMPLETED BY M. L. Watford

DOCKET NO. DPR-23

OPERATING STATUS

1. REPORTING PERIOD: 760401,0000 THROUGH 760430,2400
- HOURS IN REPORTING PERIOD: 719
2. CURRENTLY AUTHORIZED POWER LEVEL (MWh) 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>709.17</u>	<u>2776.88</u>	<u>34794.38</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>1.15</u>	<u>3.48</u>	<u>232.97</u>
7. HOURS GENERATOR ON LINE	<u>707.45</u>	<u>2766.24</u>	<u>34065.24</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1513882</u>	<u>5984141</u>	<u>70105582</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>493256</u>	<u>1978761</u>	<u>22874685</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>469512</u>	<u>1886269</u>	<u>21701771</u>
12. REACTOR AVAILABILITY FACTOR (1)	<u>98.63</u>	<u>95.66</u>	<u>76.94</u>
13. UNIT AVAILABILITY FACTOR (2)	<u>98.39</u>	<u>95.29</u>	<u>75.33</u>
14. UNIT CAPACITY FACTOR (3)	<u>98.20</u>	<u>97.71</u>	<u>72.17</u>
15. UNIT FORCED OUTAGE RATE (4)	<u>1.61</u>	<u>4.71</u>	<u>16.57</u>
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH): <u>October, 6 weeks, Refueling</u>			
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:		<u>On line</u>	
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 = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
- (4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

**APPENDIX E
UNIT SHUTDOWNS**

DOCKET NO. DPR-23
 UNIT NAME H. B. Robinson Two
 DATE 5/4/76
 COMPLETED BY M. L. Watford

REPORT MONTH April, 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
305	4/4/76	F	9.77	A	2	Dropped rod L-9
306	4/17/76	F	1.78	A	3	Turbine trip-trip due to high level on Steam Generator 2. Lost "A" Inverter
						(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) (2) METHOD 1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM

SUMMARY:

116-E-1