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FILE NUMBER  
MONTHLY REPORT

TO:

Mr. Ernst Volgenau

FROM:

Carolina Power & Light Company  
Raleigh, North Carolina  
H. R. Banks

DATE OF DOCUMENT

11/15/76

DATE RECEIVED

11/18/76

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## DESCRIPTION

LETTER TRANS THE FOLLOWING:

## ENCLOSURE

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

PLANT NAME:

H. B. Robinson #2

(1-P)

(3-P)

ACKNOWLEDGED

Do Not Remove

SAFETY

FOR ACTION/INFORMATION

ENVIRO

11/19/76

RJL

☒ MIPC  
W/4 CYS FOR ACTION

## INTERNAL DISTRIBUTION

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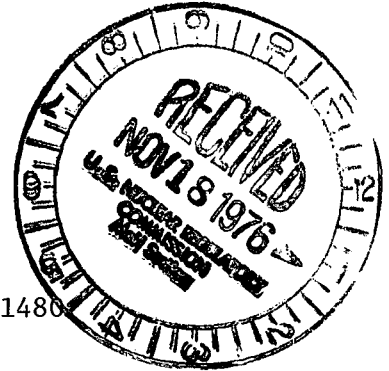
mo: Rps



Carolina Power & Light Company

November 15, 1976

Regulatory Docket File



FILE: NG-3513 (R)

SERIAL: NG-76-1480

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

Dear Mr. Volgenau:

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 October, 1976.

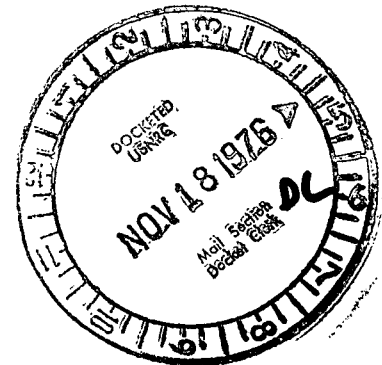
Yours very truly,

H. R. Banks  
Manager  
Nuclear Generation

CSB:jfc

Enclosure

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



11763

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

Regulatory Docket File

Received w/ Ltr Dated 11-15-76

DOCKET NO. DPR-23

UNIT H. B. Robinson Two

DATE 11-4-76

COMPLETED BY M. L. Watford

TELEPHONE 332-1351

MONTH October 1976

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	649
2	99
3	661
4	664
5	666
6	666
7	668
8	670
9	671
10	649
11	675
12	674
13	676
14	678
15	677
16	677

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	659
18	680
19	682
20	681
21	682
22	645
23	679
24	681
25	681
26	682
27	680
28	681
29	638
30	-13
31	-16

\*Maximum dependable capacity may exceed 100% line due to impoundment temperatures.

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 when maximum dependable capacity is used 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 C OPERATING DATA REPORT

DOCKET NO. DPR-23  
UNIT H. B. Robinson Two  
DATE 11-5-76  
COMPLETED BY M. L. Watford  
TELEPHONE 332-1351

OPERATING STATUS 761001,0000/

1. REPORTING PERIOD: 761031,2400 GROSS HOURS IN REPORTING PERIOD: 745

2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2200 MAX. DEPEND. CAPACITY (MWe-Net): 665  
DESIGN ELECTRICAL RATING (MWe-Net): 700

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): None

4. REASONS FOR RESTRICTION (IF ANY): None

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL	<u>687.71</u>	<u>7056.29</u>	<u>39,073.79</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>10.01</u>	<u>93.79</u>	<u>323.28</u>
7. HOURS GENERATOR ON LINE	<u>680.00</u>	<u>7,004.02</u>	<u>38,303.02</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,470,744</u>	<u>13,623,509</u>	<u>79,215,694</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>475,987</u>	<u>4,403,122</u>	<u>25,775,033</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>452,263</u>	<u>4,190,525</u>	<u>24,458,290</u>
12. REACTOR SERVICE FACTOR	<u>92.31</u>	<u>96.40</u>	<u>78.72</u>
13. REACTOR AVAILABILITY FACTOR	<u>93.65</u>	<u>97.68</u>	<u>79.37</u>
14. UNIT SERVICE FACTOR	<u>91.28</u>	<u>95.68</u>	<u>77.16</u>
15. UNIT AVAILABILITY FACTOR	<u>91.28</u>	<u>95.68</u>	<u>77.16</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>91.29</u>	<u>95.38</u>	<u>74.10</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>86.72</u>	<u>94.64</u>	<u>70.39</u>
18. UNIT FORCED OUTAGE RATE	<u>.35</u>	<u>2.83</u>	<u>15.14</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): None

20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: December 2, 1976

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	<u>--</u>	<u>--</u>
INITIAL ELECTRICITY	<u>--</u>	<u>--</u>
COMMERCIAL OPERATION	<u>--</u>	<u>--</u>

## APPENDIX D

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR-23UNIT NAME H. B. Robinson TwoDATE November 5, 1976COMPLETED BY M. L. WatfordTELEPHONE 332-1351REPORT MONTH October, 1976

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
	761002	S	14.67	B	1	(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) Replace N-43 detector, repair 4A FW Heater Diaphragm and Plug Tubes in #4 Water Box
	761002	F	2.38	A	3	(2) METHOD 1: MANUAL 2: MANUAL SCRAM. 3: AUTOMATIC SCRAM 4: OTHER (EXPLAIN) Rx Trip Caused by Steam Flow-Feed Flow Mismatch and Low Level "C" SG. Lost "A" Condensate and Feedwater Pumps Due to Erroneous Indication on Condensate Pump Discharge Caused by Faulty Tempera- ture Relay
	761030	S	47.95	C	1	

SUMMARY: The Unit Was on the Line 680.00 Hours During the Month.  
 The Unit Experienced 1 Trip and 2 Manual Shutdowns.