

50-261

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MONTHLY REPORT

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Mr. Ernst VolgenauFROM:  
Carolina Power & Light Co.  
Raleigh, North Carolina  
H. R. Banks☐ LETTER  
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## DESCRIPTION

Letter trans the following:

PLANT NAME: H. B. Robinson Unit No. 2  
RJL 11/15/77 (1-P)

## ENCLOSURE

Monthly Report for October 1977  
Plant & Component Operability & Availability.  
This Report to be used in preparing Gray Book  
by Plans & Operations.

(3-P)

10 ENCL \*

## FOR ACTION/INFORMATION

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Carolina Power & Light Company  
November 10, 1977

REGULATORY DOCKET FILE COPY



FILE: NG-3513 (R)

SERIAL: NG-77-1279

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, 1977.

Yours very truly,

H. R. Banks  
Manager  
Nuclear Generation

CSB:dmr

Enclosure

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

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT H. B. Robinson Two

DATE 771102

COMPLETED BY M. L. Watford

TELEPHONE (803) 332-1351  
Ext. 138

MONTH October 1977

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>199</u>
2	<u>200</u>
3	<u>260</u>
4	<u>338</u>
5	<u>358</u>
6	<u>284</u>
7	<u>298</u>
8	<u>547</u>
9	<u>589</u>
10	<u>327</u>
11	<u>350</u>
12	<u>383</u>
13	<u>481</u>
14	<u>665</u>
15	<u>665</u>
16	<u>615</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>670</u>
18	<u>659</u>
19	<u>438</u>
20	<u>236</u>
21	<u>201</u>
22	<u>199</u>
23	<u>200</u>
24	<u>202</u>
25	<u>268</u>
26	<u>47</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

**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. DPR23

UNIT H. B. Robinson Two

DATE 771102

COMPLETED BY M. L. Watford

TELEPHONE (803) 332-1351  
Ext. - 138

OPERATING STATUS 0000 2400

1. REPORTING PERIOD: 771001 771031 GROSS HOURS IN REPORTING PERIOD: 745

2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2200 MAX. DEPEND. CAPACITY (MW<sub>e</sub>-Net): 665  
DESIGN ELECTRICAL RATING (MW<sub>e</sub>-Net): 700

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MW<sub>e</sub>-Net): None

4. REASONS FOR RESTRICTION (IF ANY): None

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL .....	<u>604.27</u>	<u>6693.23</u>	<u>46,289.58</u>
6. REACTOR RESERVE SHUTDOWN HOURS .....	<u>2.60</u>	<u>72.01</u>	<u>407.32</u>
7. HOURS GENERATOR ON LINE .....	<u>603.15</u>	<u>6578.31</u>	<u>45,317.86</u>
8. UNIT RESERVE SHUTDOWN HOURS .....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) .....	<u>819,667</u>	<u>12,502,143</u>	<u>92,490,829</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) .....	<u>250,192</u>	<u>3,908,795</u>	<u>29,933,461</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) .....	<u>231,828</u>	<u>3,690,496</u>	<u>28,380,087</u>
12. REACTOR SERVICE FACTOR .....	<u>81.11</u>	<u>91.74</u>	<u>79.27</u>
13. REACTOR AVAILABILITY FACTOR .....	<u>81.46</u>	<u>92.73</u>	<u>79.96</u>
14. UNIT SERVICE FACTOR .....	<u>80.96</u>	<u>90.16</u>	<u>77.60</u>
15. UNIT AVAILABILITY FACTOR .....	<u>80.96</u>	<u>90.16</u>	<u>77.60</u>
16. UNIT CAPACITY FACTOR (Using MDC) .....	<u>46.79</u>	<u>76.06</u>	<u>73.08</u>
17. UNIT CAPACITY FACTOR (Using Design MW <sub>e</sub> ) .....	<u>44.45</u>	<u>72.26</u>	<u>69.43</u>
18. UNIT FORCED OUTAGE RATE .....	<u>19.04</u>	<u>9.13</u>	<u>14.21</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

Refueling, Feb. 4, 6 weeks

20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 771110

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

INITIAL CRITICALITY

INITIAL ELECTRICITY

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-23  
UNIT NAME H. B. Robinson Two  
DATE 771103  
COMPLETED BY M. L. Watford  
TELEPHONE 332-1351  
Ext. 138

REPORT MONTH October 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
10-01	771005	F	3.57	A	3	(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) Turbine trip trip due to high level in B Steam Generator RHR Valve #750 experienced a blown packing  (2) METHOD 1: MANUAL 2: MANUAL SCRAM. 3: AUTOMATIC SCRAM 4: OTHER (EXPLAIN)
10-02	771026	F	138.28	A	1	

SUMMARY: The unit accumulated an EFPD of 15.524 during the month. Reduced load was encountered during a major portion of the month due to fuel conservation measures. The unit is presently in a cold shutdown status due to required maintenance.