

50-261

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MONTHLY REPORT

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TO:

Mr. Ernst Volgenau

FROM:

Carolina Power & Light Co.  
Raleigh, North Carolina  
B. J. Furr☒ LETTER☐ NOTORIZED

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## DESCRIPTION

Letter trans the following:

(1-P)

## ENCLOSURE

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

DO NOT REUSE

(3-P)

10 cys rec'd)

## PLANT NAME:

H. B. Robinson Unit No. 2

RJL

## FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

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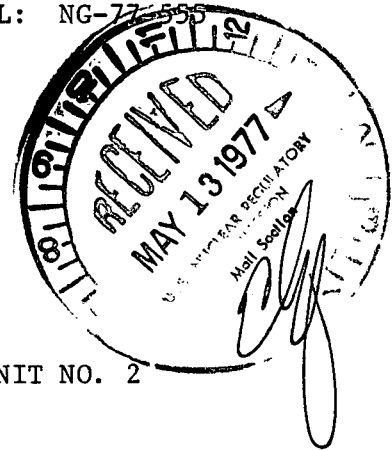
Regulatory Docket File

May 10, 1977

FILE: NG-3513 (R)

SERIAL: NG-77-555

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 April, 1977.

Yours very truly,

B. J. Furr  
Manager

Generation Department

WH:mp

Enclosure

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

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APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT HB Robinson Two

DATE 770504

COMPLETED BY ML Watford

TELEPHONE 332-1351

MONTH April, 1977

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	670
2	672
3	635
4	672
5	673
6	674
7	674
8	674
9	673
10	649
11	670
12	672
13	671
14	672
15	669
16	667

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	655
18	668
19	665
20	663
21	664
22	666
23	661
24	520
25	0
26	0
27	0
28	0
29	0
30	0
31	--

\*Maximum dependable capacity may be exceeded due to impoundment temperature.

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 HB Robinson Two

DATE 770504

COMPLETED BY ML Watford

TELEPHONE 803-332-1351

OPERATING STATUS

1. REPORTING PERIOD: 0000, 770401-2400, 770430 GROSS HOURS IN REPORTING PERIOD: 719

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):

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR-WAS CRITICAL	<u>573.45</u>	<u>2,435.29</u>	<u>42,031.64</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>10.78</u>	<u>51.08</u>	<u>386.39</u>
7. HOURS GENERATOR ON LINE	<u>570.93</u>	<u>2,352.76</u>	<u>41,092.31</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,247,189</u>	<u>5,077,777</u>	<u>85,066,463</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>399240</u>	<u>1,648,311</u>	<u>27,672,977</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>378478</u>	<u>1,564,623</u>	<u>26,254,214</u>
12. REACTOR SERVICE FACTOR	<u>79.76</u>	<u>84.59</u>	<u>77.86</u>
13. REACTOR AVAILABILITY FACTOR	<u>81.26</u>	<u>86.36</u>	<u>78.58</u>
14. UNIT SERVICE FACTOR	<u>79.41</u>	<u>81.72</u>	<u>76.12</u>
15. UNIT AVAILABILITY FACTOR	<u>79.41</u>	<u>81.72</u>	<u>76.12</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>79.16</u>	<u>81.72</u>	<u>73.14</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>75.20</u>	<u>77.64</u>	<u>69.48</u>
18. UNIT FORCED OUTAGE RATE	<u>20.59</u>	<u>17.53</u>	<u>15.17</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: On line

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

	FORECAST	ACHIEVED
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INITIAL CRITICALITY

<u>-</u>	<u>-</u>
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INITIAL ELECTRICITY

<u>-</u>	<u>-</u>
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COMMERCIAL OPERATION

<u>-</u>	<u>-</u>
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APPENDIX D  
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR-23

UNIT NAME HB Robinson Two

DATE 770504

COMPLETED BY ML Watford

TELEPHONE 332-1351

REPORT MONTH April, 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
04-01	770424	F	148.07	A	3	<p>Loss of seal leak-off flow on "C" Reactor Coolant Pump</p> <p>(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)</p> <p>(2) METHOD  1: MANUAL  2: MANUAL SCRAM.  3: AUTOMATIC SCRAM  4: OTHER (EXPLAIN)</p>

**SUMMARY:** The unit was on the line for 570.93 hours with an EFPD of 23,621. The operating efficiency was hindered during the month due to Reactor Coolant Pump problems.