

50-261

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TO: Mr. E. Volegenau

FROM: CP&L
Raleigh, N C. 27602
H. R. Banks

FILE NUMBER
MONTHLY REPORT

DATE OF DOCUMENT
09/13/77

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09/19/77

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DESCRIPTION

ENCLOSURE

Letter trans the following:

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

1p 3p 3p

PLANT NAME: H. B. ROBINSON UNIT # 2

jcm 09/19/77

1 CY ENCL Rec'd *

FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

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Carolina Power & Light Company

REGULATORY DOCKET FILE COPY

September 13, 1977

FILE: NG-3513 (R)

SERIAL: NG-77-1000

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

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

Dear Mr. Volgenau:

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 August, 1977.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

WH:tme

Enclosure

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



772620061

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT H. B. Robinson Two

DATE 09-06-77

COMPLETED BY M. L. Watford

TELEPHONE 803-332-1351

MONTH August 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>641</u>
2	<u>641</u>
3	<u>639</u>
4	<u>639</u>
5	<u>636</u>
6	<u>636</u>
7	<u>621</u>
8	<u>635</u>
9	<u>634</u>
10	<u>633</u>
11	<u>632</u>
12	<u>630</u>
13	<u>628</u>
14	<u>614</u>
15	<u>621</u>
16	<u>501</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>209</u>
18	<u>246</u>
19	<u>200</u>
20	<u>198</u>
21	<u>199</u>
22	<u>198</u>
23	<u>189</u>
24	<u>131</u>
25	<u>198</u>
26	<u>197</u>
27	<u>200</u>
28	<u>201</u>
29	<u>393</u>
30	<u>633</u>
31	<u>632</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. DPR-23
UNIT H. B. Robinson Two
DATE 090677
COMPLETED BY M. L. Watford
TELEPHONE 803-332-1351

OPERATING STATUS 0000 2400

1. REPORTING PERIOD: 770801 770831 GROSS HOURS IN REPORTING PERIOD: 744

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>735.13</u>	<u>5,368.96</u>	<u>44,965.31</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>8.87</u>	<u>69.41</u>	<u>404.72</u>
7. HOURS GENERATOR ON LINE	<u>725.30</u>	<u>5,265.06</u>	<u>44,004.61</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,214,400</u>	<u>10,917,826</u>	<u>90,906,512</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>359,013</u>	<u>3,441,038</u>	<u>29,465,704</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>336,122</u>	<u>3,260,842</u>	<u>27,950,433</u>
12. REACTOR SERVICE FACTOR	<u>98.81</u>	<u>92.08</u>	<u>78.98</u>
13. REACTOR AVAILABILITY FACTOR	<u>100</u>	<u>93.27</u>	<u>79.69</u>
14. UNIT SERVICE FACTOR	<u>97.49</u>	<u>90.29</u>	<u>77.29</u>
15. UNIT AVAILABILITY FACTOR	<u>97.49</u>	<u>90.29</u>	<u>77.29</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>67.94</u>	<u>84.09</u>	<u>73.82</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>64.54</u>	<u>79.89</u>	<u>70.13</u>
18. UNIT FORCED OUTAGE RATE	<u>2.51</u>	<u>8.97</u>	<u>14.34</u>

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

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

INITIAL CRITICALITY

- -

INITIAL ELECTRICITY

- -

COMMERCIAL OPERATION

- -

APPENDIX D
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR-23
UNIT NAME H. B. Robinson Two
DATE 9-6-77
COMPLETED BY M. L. Watford
TELEPHONE 803-332-1351

REPORT MONTH August

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
08-01	081777	F	11.35	B	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) ΔP Safeguard trip during test cycling of steam driven aux feedwater pump dis- charge valve Fuel Conservation Repair feedwater heater tube leaks (2) METHOD 1: MANUAL 2: MANUAL SCRAM 3: AUTOMATIC SCRAM 4: OTHER (EXPLAIN)
08-02	081777	S	0	F	4	
08-03	082377	F	7.35	B	1	

SUMMARY: The unit was on the line for 725.30 hours during the month. The unit experienced two forced outages during the month. The unit ran at reduced load for a large portion of the month due to fuel conservation.

RECEIVED DOCUMENT
PROCESSING UNIT

1977 SEP 19 PM 12 57