

50-261

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FILE NUMBER

MONTHLY REPORT

TO:

Mr. Ernst Volgenau

FROM:

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

DATE OF DOCUMENT

10/10/77

DATE RECEIVED

10/14/77

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## DESCRIPTION

Letter trans the following:

PLANT NAME: H. B. Robinson Unit No. 2  
RJL 10/14/77

(1-P)

## ENCLOSURE

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

(3-P)

1 ENCL X

## FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

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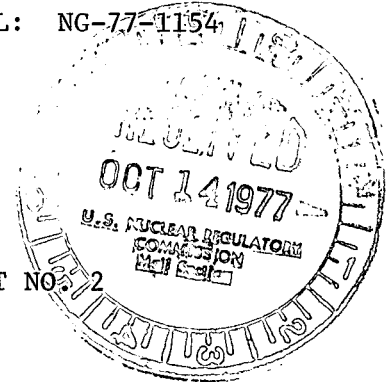
Carolina Power & Light Company  
October 10, 1977

REGULATORY DOCKET FILE COPY

FILE: NG-3513 (R)

SERIAL: NG-77-1154

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 September, 1977.

Yours very truly,

H. R. Banks  
Manager  
Nuclear Generation

CSB:tme

Enclosure

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

772870142

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT H. B. Robinson Two

DATE 100477

COMPLETED BY M. L. Watford

TELEPHONE 332-1351

MONTH September

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>630</u>
2	<u>568</u>
3	<u>199</u>
4	<u>201</u>
5	<u>201</u>
6	<u>200</u>
7	<u>198</u>
8	<u>189</u>
9	<u>167</u>
10	<u>197</u>
11	<u>203</u>
12	<u>203</u>
13	<u>205</u>
14	<u>205</u>
15	<u>205</u>
16	<u>207</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>207</u>
18	<u>210</u>
19	<u>547</u>
20	<u>641</u>
21	<u>638</u>
22	<u>496</u>
23	<u>201</u>
24	<u>202</u>
25	<u>204</u>
26	<u>202</u>
27	<u>198</u>
28	<u>207</u>
29	<u>194</u>
30	<u>117</u>
31	<u>-</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 D  
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR-23  
UNIT NAME H. B. Robinson Two  
DATE 100477  
COMPLETED BY M. L. Watford  
TELEPHONE 332-1351

REPORT MONTH September 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
9-1	090377	S	0	F	4	(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) Fuel Conservation Fuel Conservation Repair FW Heater Tube Leaks  (2) METHOD 1: MANUAL 2: MANUAL SCRAM. 3: AUTOMATIC SCRAM 4: OTHER (EXPLAIN)
9-2	092377	S	0	F	4	
9-3	093077	S	9.90	B	1	

SUMMARY: The Unit was on the line 710.10 hours during the month. The Unit ran at reduced load most of the month due to fuel conservation. One shutdown was encountered to repair feedwater heater tube leaks and no trips were experienced.

# APPENDIX C OPERATING DATA REPORT

DOCKET NO. DPR-23  
UNIT H. B. Robinson Two  
DATE 100477  
COMPLETED BY M. L. Watford  
TELEPHONE 803-332-1351  
Ext. 138

OPERATING STATUS      0000      2400

1. REPORTING PERIOD: 770901 770930 GROSS HOURS IN REPORTING PERIOD: 720  
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	720	6,088.96	45,685.31
6. REACTOR RESERVE SHUTDOWN HOURS	0	69.41	404.72
7. HOURS GENERATOR ON LINE	710.10	5,975.16	44,714.71
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	764,650	11,682,476	91,671,162
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	217,565	3,658,603	29,683,269
11. NET ELECTRICAL ENERGY GENERATED (MWH)	197,826	3,458,668	28,148,259
12. REACTOR SERVICE FACTOR	100	92.95	79.24
13. REACTOR AVAILABILITY FACTOR	100	94.01	79.94
14. UNIT SERVICE FACTOR	98.63	91.21	77.56
15. UNIT AVAILABILITY FACTOR	98.63	91.21	77.56
16. UNIT CAPACITY FACTOR (Using MDC)	41.32	79.39	73.42
17. UNIT CAPACITY FACTOR (Using Design MWe)	39.25	75.42	69.75
18. UNIT FORCED OUTAGE RATE	0	7.99	14.14

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

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	-	-

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