

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

8/10/76

DATE RECEIVED

8/11/76

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DESCRIPTION

LETTER TRANS THE FOLLOWING:

ENCLOSURE

MONTHLY REPORT FOR JULY/76
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

PLANT NAME:

(1-P)

(3-P)

H. B. Robinson #2

ACKNOWLEDGMENT
DO NOT REMOVE

SAFETY

FOR ACTION/INFORMATION

ENVIRO

8/11/76

ON RJL

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8151



Carolina Power & Light Company

August 10, 1976

FILE: NG-3513 (R)

SERIAL: NG-76-1087

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 shut-down experience for the month of July, 1976.

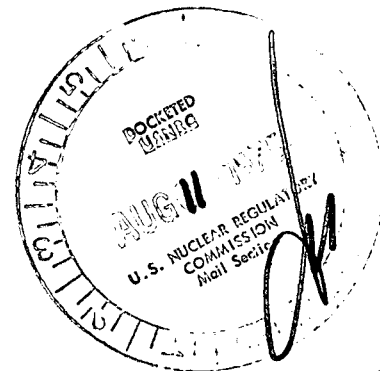
Yours very truly,

H. R. Banks
Manager
Nuclear Generation

CSB:ku

Enclosure

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



Regulatory Division

APPENDIX C

DOCKET NO. DPR-23

UNIT Robinson 2

DATE 8-3-76

COMPLETED BY M.L. Watford

AVERAGE DAILY UNIT POWER LEVEL

MONTH July 1976

DAY AVERAGE DAILY POWER LEVEL
(MWe-net)

1	<u>659</u>
2	<u>657</u>
3	<u>657</u>
4	<u>658</u>
5	<u>659</u>
6	<u>660</u>
7	<u>660</u>
8	<u>660</u>
9	<u>610</u>
10	<u>-12</u>
11	<u>-13</u>
12	<u>585</u>
13	<u>648</u>
14	<u>645</u>
15	<u>647</u>
16	<u>652</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-net)

17	<u>656</u>
18	<u>634</u>
19	<u>654</u>
20	<u>654</u>
21	<u>655</u>
22	<u>656</u>
23	<u>655</u>
24	<u>655</u>
25	<u>643</u>
26	<u>652</u>
27	<u>654</u>
28	<u>654</u>
29	<u>654</u>
30	<u>652</u>
31	<u>652</u>

DAILY UNIT POWER LEVEL FORM 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 by using maximum dependable capacity 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 Robinson Two (2)
 DATE 8-3-76
 COMPLETED BY M.L. Watford
 DOCKET NO. DPR-23

OPERATING STATUS

1. REPORTING PERIOD: 760701,0000 THROUGH 760731,2400
 HOURS IN REPORTING PERIOD: 744
 2. CURRENTLY AUTHORIZED POWER LEVEL (MWth) 2200 MAX. DEPENDABLE CAPACITY (MWe-NET) 665
 3. LOWEST POWER LEVEL TO WHICH SPECIFICALLY RESTRICTED (IF ANY) (MWe-NET): None
 4. REASONS FOR RESTRICTION (IF ANY): None

	THIS REPORTING PERIOD	YR TO DATE	CUMULATIVE TO DATE
5. HOURS REACTOR WAS CRITICAL	710.18	4904.58	36922.08
6. REACTOR RESERVE SHUTDOWN HOURS	33.82	83.78	313.27
7. HOURS GENERATOR ON LINE	694.97	4868.09	36167.09
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	1,515,149	10,499,016	74,620,457
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	475,246	3,415,748	24,311,672
11. NET ELECTRICAL ENERGY GENERATED (MWH)	451,452	3,251,629	23,067,131
12. REACTOR AVAILABILITY FACTOR (1)	95.45	95.96	77.85
13. UNIT AVAILABILITY FACTOR (2)	93.41	95.25	76.26
14. UNIT CAPACITY FACTOR (3)	91.25	95.67	73.14
15. UNIT FORCED OUTAGE RATE (4)	0	3.83	15.87
16. SHUTDOWNS SCHEDULED TO BEGIN IN NEXT 6 MONTHS (STATE TYPE, DATE, AND DURATION OF EACH): <u>October, 6 weeks, refueling</u>			
17. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:		<u>On line</u>	
18. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION) REPORT THE FOLLOWING:			

	DATE LAST FORECAST	DATE ACHIEVED
INITIAL CRITICALITY	-	-
INITIAL ELECTRICAL POWER GENERATION	-	-
COMMERCIAL OPERATION	-	-

*49.03 hours scheduled short
term outage due to NRC Operator
Exam and Training.

- (1) REACTOR AVAILABILITY FACTOR = $\frac{\text{HOURS REACTOR WAS CRITICAL}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
 (2) UNIT AVAILABILITY FACTOR = $\frac{\text{HOURS GENERATOR ON LINE}}{\text{HOURS IN REPORTING PERIOD}} \times 100$
 (3) UNIT CAPACITY FACTOR = $\frac{\text{NET ELECTRICAL POWER GENERATED}}{\text{MAX. DEPENDABLE CAPACITY (MWe-NET)} \times \text{HOURS IN REPORTING PERIOD}}$
 (4) UNIT FORCED OUTAGE RATE = $\frac{\text{FORCED OUTAGE HOURS}}{\text{HOURS GENERATOR ON LINE} + \text{FORCED OUTAGE HOURS}} \times 100$

APPENDIX E UNIT SHUTDOWNS

DOCKET NO. DPR-23
UNIT NAME Robinson
DATE 8-3-76
COMPLETED BY M. L. Watford

REPORT MONTH July 1976

NO.	DATE	TYPE F-FORCED S-SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTIONS/COMMENTS
	7-10	S	9.17	E	1	
	7-10	S	.55	E	1	
	7-10	S	.60	E	1	
	7-10	S	1.52	E	1	
	7-10	S	21.98	E	1	
<div>(1) REASON<div>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)</div></div> <div>(2) METHOD<div>1-MANUAL 2-MANUAL SCRAM 3-AUTOMATIC SCRAM</div></div>						

SUMMARY: The unit was on the line for 694.97 hours during the month. The unit experienced no trips, and there were five shutdowns due to NRC exams and training.

1.16-E-1