

50-261

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

MONTHLY REPORT

DATE OF DOCUMENT

8/11/77

DATE RECEIVED

8/15/77

TO:

Mr. Ernst Volgenau

FROM:

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

NUMBER OF COPIES RECEIVED

1 signed

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

☒ ORIGINAL☒ UNCLASSIFIED☐ COPY

DESCRIPTION

Letter trans the following:

DO NOT REMOVE

ACKNOWLEDGED

(1-P)

PLANT NAME: H. B. Robinson Unit No. 2  
RJL 8/15/77

ENCLOSURE

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

(3-P)

1 CY ENCL Recd

## FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

## INTERNAL DISTRIBUTION

Reg Files

NRC PDR

Branch Chief (L)

Lic Asst

Reid

Ingram

## EXTERNAL DISTRIBUTION

LPDR:

TIC

NSIC

HARTSVILLE, S.C.

CONTROL NUMBER

272270142



Carolina Power & Light Company

August 11, 1977

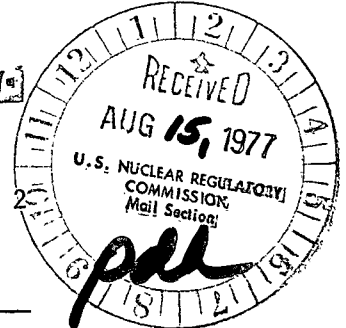
FILE: NG-3513 (R)

SERIAL: NG-77-897

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

Regulatory

File Cy-



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 July, 1977.

Yours very truly,

H. R. Banks  
Manager  
Nuclear Generation

WH:tme

Enclosure

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

272270142

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23

UNIT H. B. Robinson Two

DATE August 2, 1977

COMPLETED BY M. L. Watford

TELEPHONE (803) 332-1351

MONTH July 1977

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>638</u>
2	<u>636</u>
3	<u>624</u>
4	<u>635</u>
5	<u>637</u>
6	<u>637</u>
7	<u>638</u>
8	<u>639</u>
9	<u>639</u>
10	<u>624</u>
11	<u>637</u>
12	<u>636</u>
13	<u>634</u>
14	<u>633</u>
15	<u>632</u>
16	<u>632</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>617</u>
18	<u>634</u>
19	<u>635</u>
20	<u>635</u>
21	<u>633</u>
22	<u>627</u>
23	<u>631</u>
24	<u>614</u>
25	<u>589</u>
26	<u>401</u>
27	<u>307</u>
28	<u>308</u>
29	<u>307</u>
30	<u>311</u>
31	<u>407</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 August 2, 1977  
COMPLETED BY M. L. Watford  
TELEPHONE (803) 332-1351

## OPERATING STATUS

0000 2400  
1. REPORTING PERIOD: 770701 770731 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	744	4633.83	44,230.18
6. REACTOR RESERVE SHUTDOWN HOURS	0	60.54	395.85
7. HOURS GENERATOR ON LINE	744	4539.76	43,279.31
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	1,492,656	9,703,426	89,692,112
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	451,719	3,082,025	29,106,691
11. NET ELECTRICAL ENERGY GENERATED (MWH)	427,437	2,924,720	27,614,311
12. REACTOR SERVICE FACTOR	100	91.09	78.72
13. REACTOR AVAILABILITY FACTOR	100	92.28	79.42
14. UNIT SERVICE FACTOR	100	89.24	77.02
15. UNIT AVAILABILITY FACTOR	100	89.24	77.02
16. UNIT CAPACITY FACTOR (Using MDC)	86.39	86.46	73.90
17. UNIT CAPACITY FACTOR (Using Design MWe)	82.07	82.13	70.21
18. UNIT FORCED OUTAGE RATE	0	9.92	14.51
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): <u>None</u>			

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 August 2, 1977  
COMPLETED BY M. L. Watford  
TELEPHONE (803) 332-1351

REPORT MONTH July 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
1	7/26/77	S	0	H	4	<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>Fuel Conservation - to extend core life to scheduled refueling outage</p> <p>(2) METHOD 1: MANUAL 2: MANUAL SCRAM. 3: AUTOMATIC SCRAM 4: OTHER (EXPLAIN)</p>

SUMMARY: