

CP&L CO  
RUN DATE 08/04/87  
RUN TIME 10:21:17

PLANT PERFORMANCE DATA SYSTEM  
OPERATING DATA REPORT  
ROBINSON UNIT 2

PAGE 1  
RPD36-000

Enclosure to Serial: RNP/87-3796  
Page 1 of 5

OPERATING STATUS

DOCKET NO. 050-0261  
COMPLETED BY V. E. FRAZIER  
TELEPHONE (803)383-4524

1. UNIT NAME: ROBINSON UNIT 2
2. REPORTING PERIOD: JULY 87
3. LICENSED THERMAL POWER (MWT): 2300
4. NAMEPLATE RATING (GROSS MWE): 739.0
5. DESIGN ELECTRICAL RATING (NET MWE): 700.0
6. MAX DEPENDABLE CAPACITY (GROSS MWE): 700.0
7. MAX DEPENDABLE CAPACITY (NET MWE): 665.0
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS: N/A

NOTES

There are presently 318 fuel assemblies in the spent fuel pool.

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): None
10. REASONS FOR RESTRICTION IF ANY: N/A

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	5087.00	143927.00
12. NUMBER OF HOURS REACTOR CRITICAL	643.15	3038.58	102214.50
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	628.52	2956.32	99754.52
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	1378283.28	6208051.44	200890066.56
17. GROSS ELEC. ENERGY GEN. (MWH)	441588.00	2057418.00	64971896.00
18. NET ELEC. ENERGY GENERATED (MWH)	416753.00	1938021.00	61334758.00
19. UNIT SERVICE FACTOR	84.48	58.12	69.31
20. UNIT AVAILABILITY FACTOR	84.48	58.12	69.33
21. UNIT CAP. FACTOR (USING MDC NET)	84.23	57.29	64.08
22. UNIT CAP. FACTOR (USING DER NET)	80.02	54.43	60.88
23. UNIT FORCED OUTAGE RATE	15.52	6.60	14.02
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
None			

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP:
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

Page 2 of 5  
CP&L LU  
RUN DATE 08/04/87  
RUN TIME 10:21:14

PLANT PERFORMANCE DATA SYSTEM  
APPENDIX B - AVERAGE DAILY POWER LEVEL  
ROBINSON UNIT 2

PAGE 1  
RFD39-000

DOCKET NO. 050-0261  
COMPLETED BY V. E. FRAZIER  
TELEPHONE (803)383-4524

JULY 1987

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	699	17	-8
2	695	18	612
3	499	19	703
4	690	20	709
5	702	21	708
6	700	22	703
7	699	23	701
8	697	24	701
9	698	25	700
10	270	26	699
11	677	27	699
12	524	28	697
13	-25	29	695
14	-22	30	696
15	77	31	697
16	72		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July

DOCKET NO. 050-0261  
 UNIT NAME H. B. Robinson  
 DATE 08/02/87  
 COMPLETED BY H. R. Norris  
 TELEPHONE (803) 383-4524

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
07-01	87/07/02	S	---	B	4	---	CH	PUMPXX	"B" Main Feed Pump experienced high vibrations. The unit was reduced in load for corrective maintenance. While at a reduced load, the monthly turbine valve test was performed. The unit was then returned to full power.
07-02	87/07/10	F	10.63	A	3	87-020	CH	INSTRU	The reactor tripped from 100% due to "A" Feedwater Regulating Valve failing closed. A safeguards solenoid wiring shorted out, resulting in the trip. The defective wiring was repaired, and the unit returned to full power.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup> Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Other (Explain)

<sup>4</sup> Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup> Exhibit I - Same Source

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July

DOCKET NO. 050-0261  
 UNIT NAME H. B. Robinson  
 DATE 08/02/87  
 COMPLETED BY H. R. Norris  
 TELEPHONE (803) 383-4524

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
07-03	87/07/12	F	67.73	B	3	87-021	PC	VALVEX	Pressurizer Steam Sample Valve Packing Leak. The valve was repacked, and the unit returned to service.
07-04	87/07/16	F	15.97	A	3	87-020	CH	VALVEX	The reactor tripped from 72% power due to inadvertent closure of "A" Feedwater Regulating Valve. The valve positioner was determined to be in need of replacement. The positioner was replaced, and the unit was returned to full power. (This event was discussed in LER-87-020 along with 07-02.)

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S - Scheduled

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C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
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<sup>4</sup> Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File (NUREG-  
0161)

<sup>5</sup> Exhibit I - Same Source

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July

DOCKET NO. 050-0261  
 UNIT NAME H. B. Robinson  
 DATE 08/02/87  
 COMPLETED BY H. R. Norris  
 TELEPHONE (803) 383-4524

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report # <sup>4</sup>	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
07-05	87/07/17	F	21.15	A	3	---	CH	VALVEX	The unit was shut down from about 25% power to investigate feed flow oscillation. The valve stem clamp was found loose, affecting valve position and feedback to valve position controls. The clamp was connected, the valve stroke was adjusted, and the unit returned to full power.

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 S: Scheduled

<sup>2</sup> Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup> Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup> Exhibit I - Same Source



Carolina Power & Light Company

ROBINSON NUCLEAR PROJECT DEPARTMENT  
POST OFFICE BOX 790  
HARTSVILLE, SOUTH CAROLINA 29550

AUG 17 1987

Robinson File: 15505

Serial: RNP/87-3796

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261  
LICENSE NO. DPR-23  
MONTHLY OPERATIONS REPORT - REVISION 1

Dear Sir:

In accordance with Technical Specifications 6.9.1.c for the H. B. Robinson Steam Electric Plant, Unit No. 2, Carolina Power & Light Company herewith submits Revision 1 of the report of operation statistics and shutdown experience for the month of July 1987, which was mailed to you on August 7, 1987. This revision is necessary due to a round off error. The change in this report is indicated by a vertical bar in the right-hand margin on Page 4.

Should you have any questions, please contact our office at (803) 383-1242.

Very truly yours,

R. E. Morgan  
General Manager  
H. B. Robinson S. E. Plant

VEF:lko

Enclosure

cc: J. N. Grace  
H. E. P. Krug

IE24  
1/1

September 4, 1987

DISTRIBUTION: W/O  
Enclosures  
PDII-1 R/F  
PAnderson  
Docket No. 50-261

DOCKET NO(S). 50-261

SUBJECT: MONTHLY OPERATING REPORT FOR JULY 1987  
H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

The following documents concerning our review of the subject facility are transmitted for your information.

- ☐ Notice of Receipt of Application, dated \_\_\_\_\_.
- ☐ Draft/Final Environmental Statement, dated \_\_\_\_\_.
- ☐ Notice of Availability of Draft/Final Environmental Statement, dated \_\_\_\_\_.
- ☐ Safety Evaluation Report, or Supplement No. \_\_\_\_\_ dated \_\_\_\_\_.
- ☐ Environmental Assessment and Finding of No Significant Impact, dated \_\_\_\_\_.
- ☐ Notice of Consideration of Issuance of Facility Operating License or Amendment to Facility Operating License, dated \_\_\_\_\_.
- ☐ Bi-Weekly Notice; Applications and Amendments to Operating Licenses Involving No Significant Hazards Considerations, dated \_\_\_\_\_ [see page(s)] \_\_\_\_\_.
- ☐ Exemption, dated \_\_\_\_\_.
- ☐ Construction Permit No. CPPR-\_\_\_\_\_, Amendment No. \_\_\_\_\_ dated \_\_\_\_\_.
- ☐ Facility Operating License No. \_\_\_\_\_, Amendment No. \_\_\_\_\_ dated \_\_\_\_\_.
- ☐ Order Extending Construction Completion Date, dated \_\_\_\_\_.
- ☒ Monthly Operating Report for H.B. Robinson transmitted by letter dated 8/7/87.
- ☐ Annual/Semi-Annual Report- Unit No. 2  
\_\_\_\_\_ transmitted by letter dated \_\_\_\_\_.

Office of Nuclear Reactor Regulation

Enclosures:  
As stated

cc: See Service List

OFFICE	LA:PDII-1					
SURNAME	PAnderson/sh					
DATE	9/4/87					

cc: Chief  
Division of Ecological Services  
Bureau of Sport Fisheries & Wildlife  
U.S. Department of the Interior  
Washington, DC 20240

Chief (NOAA/BF/ECD/H6814)  
Ecology and Conservation Division  
National Oceanic & Atmospheric  
Administration  
14th and Constitution Ave., NW  
Washington, DC 20230

Dr. William Cunningham  
FDA Research Chemist  
National Bureau of Standards  
Reactor Building 235, Room B-108  
Gaithersburg, MD 20899

U.S. Environmental Protection Agency  
Region IV Office  
ATTN: Regional Radiation Representative  
345 Courtland Street, NE  
Atlanta, GA 30365