

CP&L CO
 RUN DATE 04/07/86
 RUN TIME 11:12:25

PLANT PERFORMANCE DATA SYSTEM
 OPERATING DATA REPORT
 ROBINSON UNIT 2

PAGE 1
 RFD36

DOCKET NO. 050-0261
 COMPLETED BY A. E. SCOTT
 TELEPHONE (803)383-4524

OPERATING STATUS

- | | | | | |
|---|--|-----------------------------------|-------------------------|--|
| 1. UNIT NAME: ROBINSON UNIT 2 | | NOTES | There are presently 270 | |
| 2. REPORTING PERIOD: MARCH 86 | | fuel assemblies in the spent fuel | | |
| 3. LICENSED THERMAL POWER (MWT): 2300 | | pool. | | |
| 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

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): N/A
 10. REASONS FOR RESTRICTION IF ANY: N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.00	2160.00	132150.00
12. NUMBER OF HOURS REACTOR CRITICAL	240.95	808.35	92865.37
13. REACTOR RESERVE SHUTDOWN HRS	126.30	289.82	3091.49
14. HOURS GENERATOR ON LINE	166.26	729.42	90497.32
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	235052.64	1187650.08	180679618.80
17. GROSS ELEC. ENERGY GEN. (MWH)	75646.00	394068.00	58253539.00
18. NET ELEC. ENERGY GENERATED (MWH)	64605.00	360810.00	55010274.00
19. UNIT SERVICE FACTOR	22.35	33.77	68.48
20. UNIT AVAILABILITY FACTOR	22.35	33.77	68.50
21. UNIT CAP. FACTOR (USING MDC NET)	13.06	25.12	62.60
22. UNIT CAP. FACTOR (USING DER NET)	12.40	23.86	59.47
23. UNIT FORCED OUTAGE RATE	25.27	24.53	14.32
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):
- | | | |
|----------------------|---------|----------|
| | FORCAST | ACHEIVED |
| INITIAL CRITICALITY | --- | --- |
| INITIAL ELECTRICITY | --- | --- |
| COMMERCIAL OPERATION | --- | --- |

8604170085 860331
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CP&L CO
 RUN DATE 04/07/86
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PLANT PERFORMANCE DATA SYSTEM
 APPENDIX B - AVERAGE DAILY POWER LEVEL
 ROBINSON UNIT 2

PAGE 1
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DOCKET NO. 050-0261
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 TELEPHONE (803)383-4524

MARCH 1986

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-2	17	-19
2	-2	18	-19
3	-2	19	-20
4	-2	20	-21
5	-2	21	-23
6	-3	22	-24
7	-3	23	-24
8	-3	24	-5
9	-2	25	140
10	-2	26	192
11	-6	27	376
12	-6	28	516
13	-6	29	518
14	-10	30	567
15	-18	31	627
16	-20		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0261
 UNIT NAME H. B. Robinson
 DATE 04-07-86
 COMPLETED BY Anita E. Scott
 TELEPHONE 803-383-4524

REPORT MONTH March

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
0301	860301	S	507.28	C	3	----	ZZ	ZZZZZ	Continuation of Refueling Outage.
0302	860322	F	49.9	A	3	86-009	CH	INSTRU	Automatic control was not functional due to blockage of steam flow sensing lines to the transmitter and the loss of the corresponding feed flow transmitter due to an installation error. The resultant manual control of level A beginning of cycle conditions created large variation in level ending in a high level trip of the turbine and subsequent reactor trip. Instrument line problems were corrected.

¹
 F - Forced
 S - Scheduled

²
 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)

³
 Method:
 1 - Manual
 2 - Manual Scram.
 3 - Automatic Scram.
 4 - Other (Explain)

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

⁵
 Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO 050-0261
UNIT NAME H. B. Robinson
DATE 04-07-86
COMPLETED BY Anita E. Scott
TELEPHONE 803-383-4524

REPORT MONTH March

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
0303	860324	F	9.31	A	4	---	CH	INSTRU	Unit manually ramped offline due to potential instrumentation problems with "C" steam generator level control. Problem was traced to a zero shift in transmitter loop calibration and corrected. While unit was offline other secondary systems were checked for proper operation. Reactor remained critical.
0304	860324	F	6.31	A	3	86-010	HA	INSTRU	Reactor tripped due to a main generator lockout from improper adjustment of the governor valve position limit switches in the automatic turbine load circuitry.
0305	860325	S	4.91	B	1	---	HA	TURBIN	Shutdown to perform turbine over-speed trip test and turbine balance. Reactor remained critical.

¹
 F - Forced
 S - Scheduled

²
 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)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

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

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 Exhibit I - Same Source



Carolina Power & Light Company

Company Correspondence

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

APR 10 1986

Robinson File: 15505

Serial: RNP/86-1556

Mr. James M. Taylor, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

ROBINSON NUCLEAR PROJECT DEPARTMENT UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
MONTHLY OPERATIONS REPORT

Dear Mr. Taylor:

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 the report of operation statistics and shutdown experience for the month of March, 1986.

Very truly yours,

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

AES:jch

Enclosure

cc: R. A. Hartfield (2)
J. N. Grace (1)

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