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ACCESSION NBR: 8806170084 DOC. DATE: 88/05/31 NOTARIZED: NO DOCKET #
 FACIL: 50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261
 AUTH. NAME AUTHOR AFFILIATION
 HAYNESWORTH, V. Carolina Power & Light Co.
 MORGAN, R.E. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for May 1988 for HB Robinson Steam Electric Plant Unit 2.W/880610 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 6
 TITLE: Monthly Operating Report (per Tech Specs)

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	ARM TECH ADV		2	2		NRR/DLPO/PEB 11		1	1
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PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
ROBINSON UNIT 2

PAGE 1
RPD36-000

Enclosure to Serial: RNP/88-2754
Page 1 of 5

DOCKET NO. 050-0261
COMPLETED BY V.F. HAYNESWORTH
TELEPHONE (803)383-4524

OPERATING STATUS

- | | NOTES |
|---|---|
| 1. UNIT NAME: ROBINSON UNIT 2 | |
| 2. REPORTING PERIOD: MAY 88 | |
| 3. LICENSED THERMAL POWER (MWT): 2300 | There are presently 318 fuel assemblies in the Spent Fuel 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): 60%
10. REASONS FOR RESTRICTION IF ANY:

Power is limited to 60% until further analysis is performed. (SI Pump Configuration)

	THIS MONTH	YR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD	744.00	3647.00	151247.00
12. NUMBER OF HOURS REACTOR CRITICAL	596.66	2484.68	108014.93
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	588.50	2436.82	105461.23
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	796420.08	3846567.84	211999193.52
17. GROSS ELEC. ENERGY GEN. (MWH)	244440.00	1240176.00	68623493.00
18. NET ELEC. ENERGY GENERATED (MWH)	224791.00	1159445.00	64786511.00
19. UNIT SERVICE FACTOR	79.10	66.82	69.73
20. UNIT AVAILABILITY FACTOR	79.10	66.82	69.74
21. UNIT CAP. FACTOR (USING MDC NET)	45.43	47.81	64.41
22. UNIT CAP. FACTOR (USING DER NET)	43.16	45.42	61.19
23. UNIT FORCED OUTAGE RATE	20.90	33.17	14.49
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Refueling/Maintenance, November 12, 1988, 49 days			

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	---	---

CP&L CO. -
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PLANT PERFORMANCE DATA SYSTEM
APPENDIX B - AVERAGE DAILY POWER LEVEL
ROBINSON UNIT 2

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

MAY 1988			
DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	-20	17	395
2	108	18	391
3	-24	19	391
4	-23	20	392
5	252	21	392
6	399	22	392
7	400	23	393
8	397	24	390
9	398	25	392
10	396	26	391
11	398	27	393
12	179	28	395
13	-18	29	394
14	-20	30	393
15	262	31	392
16	399		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0261
 UNIT NAME H. B. Robinson
 DATE 06/03/88
 COMPLETED BY Valerie F. Haynesworth
 TELEPHONE (803) 383-4524

REPORT MONTH May

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
0402*	880430	F	32.87	A	1	- - -	CB	VALVEX	<p>The Unit was taken to hot shutdown due to RCS leak in CV. The leak was determined to be from "C" RTD Bypass Loop Isolation Valve Packing. Maintenance was performed, and the Unit returned to 60% Reactor Power on 05/02/88.</p> <p>*Continued from previous month.</p>

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 06/03/88
 COMPLETED BY Valerie F. Haynesworth
 TELEPHONE (803) 383-4524

REPORT MONTH May

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
0501	880502	F	60.38	A	3	88-010	HA	INSTRU	Turbine Control System inadvertently shut 4 governor valves causing a generator lockout which resulted in a reactor trip. Investigation found the EH Oil System to have a faulty timing device and a loose connection in the governor valve position limiter control circuitry. Repairs to both problems have been completed and tested, the system returned to operation, and the Unit returned to 60% reactor power.

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 C - 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 06/03/88
 COMPLETED BY Valerie F. Haynesworth
 TELEPHONE (803) 383-4524

REPORT MONTH May

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
0502	880512	F	62.25	B	3	88-011	HA	INSTRU	While performing Maintenance Test (MST-552), a turbine trip signal was inadvertently generated when one of the 3 channels was placed into test mode and a second channel failed. This resulted in a turbine trip and subsequent reactor trip. Root cause was the failure of speed pickup coils in the TROTS circuitry. Repairs to the coils along with unrelated components in the same system were completed. The system was tested and returned to service.

1
 F: Forced
 S: Scheduled

2
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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)



Carolina Power & Light Company

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

JUN 10 1988

Robinson File: 15505

Serial: RNP/88-2754

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

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 the report of operation statistics and shutdown experience for the month of May, 1988.

Very truly yours,

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

VFH:kbw

Enclosure

cc: J. N. Grace
L. W. Garner

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