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FACIL: 50-261 H.B. Robinson Plant, Unit 2, Carolina Power & Light C 05000261
AUTH. NAME AUTHOR AFFILIATION
GROOMS, J. Carolina Power & Light Co.
FLANAGAN, W.J. Carolina Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for July 1993 for Robinson Plant.
W/930820 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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Carolina Power & Light Company

ROBINSON NUCLEAR PLANT

POST OFFICE BOX 790

HARTSVILLE, SOUTH CAROLINA 29551

AUG 2 0 1993

Robinson File: 15505

Serial: RNP/93-1869


U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
MONTHLY OPERATIONS REPORT

Gentlemen:

In accordance with Technical Specification 6.9.1.4 for the H. B. Robinson Steam Electric Plant, Unit No. 2, Carolina Power and Light Company herewith submits the report of operation statistics and shutdown experience for the month of July, 1993.

Very truly yours,


William J. Flanagan, Jr.
Acting Plant General Manager
H. B. Robinson S. E. Plant

SAB:lst

Enclosures

cc: Mr. S. D. Ebnetter
Mr. W. T. Orders

300004

9308300316 930731
PDR ADOCK 05000261
R PDR

IE24
11

CP&L CO
RUN DATE 08/03/93
RUN TIME 14:42:43

PLANT PERFORMANCE DATA SYSTEM
OPERATING DATA REPORT
ROBINSON UNIT 2

PAGE 1
RPD36-000

DOCKET NO. 050-0261
COMPLETED BY: JACKIE GROOMS
TELEPHONE (803)383-4524

OPERATING STATUS

1. UNIT NAME: ROBINSON UNIT 2
2. REPORTING PERIOD: JULY 1993
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): 683.0
8. IF CHANGES OCCUR IN CAPACITY RATING (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: NONE

NOTES: There are 182 assemblies and one assembly with 100 Rods in the Spent Fuel Pool. There are 56 assemblies in the Dry Fuel Storage, 157 in the Reactor Vessel, 14 assemblies in new fuel racks and 10 assemblies in new fuel canisters.

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): NONE
10. REASONS FOR RESTRICTION, IF ANY: NONE

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	5087.00	196535.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	5087.00	139343.62
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	744.00	5087.00	136421.26
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	1429917.36	11212411.68	278007817.20
17. GROSS ELEC. ENERGY GEN. (MWH)	449194.00	3686126.00	90224252.00
18. NET ELEC. ENERGY GENERATED (MWH)	424429.00	3511565.00	85255561.00
19. UNIT SERVICE FACTOR	100.00	100.00	69.41
20. UNIT AVAILABILITY FACTOR	100.00	100.00	69.43
21. UNIT CAP. FACTOR (USING MDC NET)	83.52	101.07	65.03
22. UNIT CAP. FACTOR (USING DER NET)	81.50	98.61	61.97
23. UNIT FORCED OUTAGE RATE	.00	.00	14.36

24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE DATE AND DURATION OF EACH): Refueling Outage is scheduled to start 9/11/93 with a duration of 53 days. Unit scheduled online 11/4/93.

25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF START UP: None

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION: FORECAST ACHIEVED

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

CP&L CO.
RUN DATE 08/03/93
RUN TIME 14:42:42

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

PAGE 1
RPD39-000

DOCKET NO. 050-0261
COMPLETED BY: JACKIE GROOMS
TELEPHONE (803)383-4524

JULY 1993

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	700	17	472
2	701	18	477
3	691	19	658
4	387	20	691
5	274	21	268
6	536	22	249
7	695	23	309
8	697	24	348
9	686	25	358
10	486	26	649
11	486	27	692
12	660	28	692
13	692	29	693
14	695	30	692
15	694	31	690
16	668		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY

DOCKET NO. 050-0261
UNIT NAME H. B. Robinson
DATE 08/04/93
COMPLETED BY J. W. Grooms
TELEPHONE (803) 383-4524

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ²	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
0701	070393	S	---	B	NA	---	JD	(XXXXXX)	Cause of Event: Ramp down from 100% to 88% power to perform EST-003 (Core Physics Testing).
0702	070493	F	---	B	NA	---	TA	VALVEX	Cause of Event: Ramp down from 88% to 65% reactor power to perform Monthly Turbine Valve Test.
0703	070493	S	---	B	NA	---	KG	PUMPXX	Cause of Event: Ramp down from 65% to 50% reactor power for repair of "A" Condensate Pump SW line leak.
0704	070493	F	---	D	NA	---	JD	(XXXXXX)	Cause of Event: Reactor power restricted to <50% due to core tilt restrictions.

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 1 - Same Source

(9/77)

93-1869

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY

DOCKET NO. 050-0261

UNIT NAME H. B. Robinson

DATE 08/04/93

COMPLETED BY J. W. Grooms

TELEPHONE (803) 383-4524

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ²	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
0705	070693	S	---	D	NA	---	JD	(XXXXX)	Cause of Event: Ramp up from <50% reactor power to 100% after core tilt restrictions lifted.
0706	070993	S	---	D	NA	---	IM	INSTRU	Cause of Event: Ramp down from 100% to 71% reactor power to reduce heat input into Lake Robinson.
0707	071293	S	---	D	NA	---	IM	INSTRU	Cause of Event: Ramp up from 71% to 100% reactor power.
0708	071693	F	---	B	NA	---	BI	BLOWERS	Cause of Events: Ramp down from 100% to 70% due to temperature limits on SW supply to HVH-1 through 4.

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S: Scheduled

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

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY

DOCKET NO. 050-0261
UNIT NAME H. B. Robinson
DATE 08/04/93
COMPLETED BY J. W. Grooms
TELEPHONE (803) 383-4524

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ²	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
0709	072193	F	---	*OTHER	NA	---	SJ	HTEXCH	Cause of Event: Ramp down from 100% to 30% for steam generator chemistry adjustment.
0710	072293	F	---	D	NA	---	JD	(XXXXX)	Cause of Event: Reactor power restricted to <50% due to core tilt restrictions.
0711	072393	F	---	B	NA	---	BQ	VALVEXX	Cause of Event: Unit maintained reduced load IAW Operations Standing Night Order.
0712	072393	S	---	B	NA	---	BI	BLOWERS	Cause of Event: Maintained reduced power of approximately 55% in accordance with Operations Standing Night Order.

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
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*Cause if event is subject of a formal Root Cause Evaluation Team currently in progress at the plant site.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY

DOCKET NO. 050-0261

UNIT NAME H. B. Robinsen

DATE 08/04/93

COMPLETED BY J. W. Grooms

TELEPHONE (803) 383-4524

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ²	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
0713	072693	S	---	B	NA	---	BI	BLOWERS	Cause of Event: Ramp up from approximately 55% to 100% power at 10% per hour.

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.
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