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 AUTH. NAME AUTHOR AFFILIATION
 GROOMS, J. Carolina Power & Light Co.
 ROBINSON, H.B. Carolina Power & Light Co.
 CHAMBERS, R.H. Carolina Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1991 for HB Robinson Steam Electric Plant Unit 2. W/910910 ltr.

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Carolina Power & Light Company

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

SEP 10 1991

Robinson File: 15505

Serial: RNP/91-2260

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.c 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 August, 1991.

Very truly yours,

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

SAB:dwm

Enclosure

cc: S. D. Ebnetter
L. W. Garner

9109170242 910831
PDR ADOCK 05000261
R PDR

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

OPERATING STATUS

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. UNIT NAME: ROBINSON UNIT 2 2. REPORTING PERIOD: AUGUST 91 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 | <p>NOTES There are 543 assemblies on site. 323 are in Spent Fuel Pit. 7 are in the Spent Fuel Shipping Cask, 157 are in the Reactor Vessel, and 56 are in the Dry Fuel Storage Module.</p> |
|--|--|
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS: Item #7 (MDC) increased to 683 MWE from 665 MWE based on re-evaluation of operating data.

9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): Approximately 70% (as of 8/30/91)
10. REASONS FOR RESTRICTION IF ANY: "B" Condensate Pump out of service due to a failed shaft.

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	5831.00	179735.00
12. NUMBER OF HOURS REACTOR CRITICAL	681.59	4202.01	125460.26
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	676.55	4142.50	122615.07
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	1514069.76	9179036.88	247712506.08
17. GROSS ELEC. ENERGY GEN. (MWH)	487316.00	3004306.00	80224241.00
18. NET ELEC. ENERGY GENERATED (MWH)	462253.00	2851402.00	75748880.00
19. UNIT SERVICE FACTOR	90.93	71.04	68.22
20. UNIT AVAILABILITY FACTOR	90.93	71.04	68.23
21. UNIT CAP. FACTOR (USING MDC NET)	90.97	71.60	63.32
22. UNIT CAP. FACTOR (USING DER NET)	88.76	69.86	60.21
23. UNIT FORCED OUTAGE RATE	9.07	1.60	15.21
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: N/A
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): FORECAST ACHIEVED

INITIAL CRITICALITY	---	---
INITIAL ELECTRICITY	---	---
COMMERCIAL OPERATION	---	---

CP&L CO
RUN DATE 09/06/91
RUN TIME 06:40:50

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

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TELEPHONE (803)383-4524

AUGUST 1991

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	706	17	-25
2	709	18	101
3	709	19	671
4	709	20	708
5	707	21	704
6	708	22	703
7	709	23	704
8	710	24	704
9	712	25	705
10	709	26	706
11	655	27	706
12	704	28	705
13	704	29	705
14	705	30	188
15	705	31	240
16	473		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August

DOCKET NO. 050-0261
UNIT NAME H. B. Robinson
DATE 09/06/91
COMPLETED BY J. W. Grooms
TELEPHONE (803) 383-4524

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
0801	081091	F		B	1	-----	N/A HH	Valvex Pump XX	Ramp down in power to perform OST-551 and replace "B" feed pump oil sightglass.
0802	081191	S		B	1	-----	N/A HH	Valvex Pump XX	Ramp back up to full power after OST-551 and repair of "B" feed pump oil sightglass.

- 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 1 - Same Source (9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0261
 UNIT NAME H. B. Robinson
 DATE 09/06/91
 COMPLETED BY J. W. Grooms
 TELEPHONE (803) 383-4524

REPORT MONTH August

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
0803	081691	F	2.58	H	2	91-009	SH	XXXXXX	Ramped off line due to Tech. Spec. Table 3.5-2, Item 5. At 1200 hrs. on 8/16/91, Tech. Spec. 3.0 was entered which required the unit to be in hot shutdown in 8 hrs. and in cold shutdown in an additional 30 hrs. The cause was an inability to meet minimum degree of redundancy on OT Delta-T reactor protection channels. All three channels were out of service due to electromechanical delays being set too high. The problem was corrected before having to take the unit to cold shutdown. NOTE: While subcritical, a reactor trip was generated. See LER-91-010.
0804	081691	F	44.52	H			SH	XXXXXX	Unit maintained in hot shutdown per Tech. Spec. Table 3.5-2, Item 5.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0261
 UNIT NAME H. B. Robinson
 DATE 09/06/91
 COMPLETED BY J. W. Grooms
 TELEPHONE (803) 383-4524

REPORT MONTH August

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
0804 (Continued)	081691	F	44.52	H			SH	XXXXXX	Corrective Action: Repair inoperable OT Delta-T Rx protection channels.
0805	081891	S	6.41	H	2	-----	SH	XXXXXX	Ramp up to 100% power. Comments: OT Delta-T channels put back in service after repairs. Reactor critical at 1152 and put online at 1432.
0806	083091	F	22.93	A	1	91-011	HH	Pump XX	Reactor trip due to steam/feedwater flow mismatch with low low level in "C" Steam Generator. Corrective Action: Bring unit critical. Ramp up and maintain a reduced power level until repair of "B" Condensate Pump is complete.

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