

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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

SUBJECT: Monthly operating rept for Dec 1991 for HB Robinson Steam Electric Plant Unit 2.W/920113 ltr.

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Carolina Power & Light Company

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

JAN 13 1992

Robinson File: 15505

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U. S. Nuclear Regulatory Commission  
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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 December, 1991.

Very truly yours,

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

SAB:dwm

Enclosure

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

9201220338 911231  
PDR ADOCK 05000261  
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CP&L CO  
 RUN DATE 01/06/92  
 RUN TIME 06:51:13

PLANT PERFORMANCE DATA SYSTEM  
 OPERATING DATA REPORT  
 ROBINSON UNIT 2

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

OPERATING STATUS

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>1. UNIT NAME: ROBINSON UNIT 2</li> <li>2. REPORTING PERIOD: DECEMBER 91</li> <li>3. LICENSED THERMAL POWER (MWT): 2300</li> <li>4. NAMEPLATE RATING (GROSS MWE): 739.0</li> <li>5. DESIGN ELECTRICAL RATING (NET MWE): 700.0</li> <li>6. MAX DEPENDABLE CAPACITY (GROSS MWE): 700.0</li> <li>7. MAX DEPENDABLE CAPACITY (NET MWE): 683.0</li> <li>8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS: N/A</li> </ol> | <p>-----</p> <ul style="list-style-type: none"> <li>° NOTES There are 459 fuel °</li> <li>° assemblies onsite, 246 fuel °</li> <li>° assemblies in the Spent Fuel Pool, °</li> <li>° 157 fuel assemblies in the °</li> <li>° Reactor and 56 fuel assemblies °</li> <li>° in the Dry Fuel Storage. °</li> </ul> <p>-----</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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	8760.00	182664.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	7131.01	128389.26
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	744.00	7048.63	125521.20
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	1687883.52	15340460.88	253873930.08
17. GROSS ELEC. ENERGY GEN. (MWH)	566810.00	5038302.00	82258237.00
18. NET ELEC. ENERGY GENERATED (MWH)	541043.00	4787459.00	77684937.00
19. UNIT SERVICE FACTOR	100.00	80.46	68.72
20. UNIT AVAILABILITY FACTOR	100.00	80.46	68.73
21. UNIT CAP. FACTOR (USING MDC NET)	106.47	80.02	63.87
22. UNIT CAP. FACTOR (USING DER NET)	103.89	78.07	60.76
23. UNIT FORCED OUTAGE RATE	.00	1.27	14.93
24. SHUTDOWNS SCHED. OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

Refueling outage is scheduled to begin 3/28/92 with a duration of 70 days. Unit is expected back on-line 6/6/92.

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

RUN DATE 01/06/92

RUN TIME 06:53:43

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

DECEMBER 1991

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	734	17	736
2	734	18	736
3	717	19	736
4	661	20	737
5	733	21	738
6	734	22	738
7	736	23	738
8	734	24	567
9	734	25	734
10	734	26	735
11	733	27	737
12	735	28	739
13	735	29	739
14	735	30	738
15	736	31	738
16	735		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 050-0261  
 UNIT NAME H.B. Robinson  
 DATE 01/06/92  
 COMPLETED BY J. W. Grooms  
 TELEPHONE (803) 383-4524

REPORT MONTH December

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
1201	120391	F		B	1	-----	HH	Valvex	Cause of Event: Ramp down to 60% power to troubleshoot/repair LCV-1530A valve positioner.  Corrective Action: Repair valve positioner and return unit to full power.
1202	120491	S		B	1	-----	HH	Valvex	Cause of Event: Ramp up from 60% to full power after repair of LCV-1530A.  Corrective Action: N/A

<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

DOCKET NO. 050-0261  
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REPORT MONTH December

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
1203	122491	F		B	1	-----	N/A	Valvex	Cause of Event: Ramp down from full power to perform OST-551, Monthly Turbine Valve Test.  Corrective Action: N/A
1204	122491	S		B	1	-----	N/A	Valvex	Cause of Event: Ramp up to full power after completion of OST-551, Monthly Turbine Valve Test.  Corrective Action: N/A

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

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
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REPORT MONTH December

DOCKET NO. 050-0261  
 UNIT NAME H.B. Robinson  
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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
1205	122491	F		B	1	-----	PC	Pump XX	Cause of Event: Commenced unit shutdown, from 90% power due to "A" Boric Acid Xfer Pump 24 Hr. LCO.  Corrective Action: "A" Boric Acid Xfer Pump was returned to service per OWP CVC-6 and EE 91-151. Exited LCO Action Statement. Unit shutdown was stopped at 51% power.
1206	122491	S		B	1	-----	PC	Pump XX	Cause of Event: Ramp up from 51% to 100% power after placing "A" Boric Acid Xfer Pump in service.  Corrective Action: N/A

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