

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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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.  
 SHEPPARD, J.J. Carolina Power & Light Co.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for ~~May~~ 1991 for Robinson Steam  
 Electric Plant Unit 2.W/910611 ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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Carolina Power & Light Company

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

JUN 11 1991

Robinson File: 15505

Serial: RNP/91-1388

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 May, 1991.

Very truly yours,

J. J. Sheppard  
General Manager

H. B. Robinson S. E. Plant

JWG:dwm

Enclosure

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

9106180451 910531  
PDR ADCK 05000261  
R PDR

CP&L CO.	PLANT PERFORMANCE DATA SYSTEM	PAGE 1
RUN DATE 06/04/91	UNIT EVENT REPORT	RPD42-000
RUN TIME 12:52:45	1991	VERIFIED 06/03/91 PPD28

## EVENT IDENTIFICATION

## EVENT MAGNITUDE

PLANT	ROBINSON NUC.	START OF EVENT	05/14/91 16:13
UNIT NO.	NUC- 2	END OF EVENT	05/19/91 24:00
EVENT NO.	009	TOTAL DURATION	127 HR 47 MIN
EVENT TYPE	5-FORCED PARTIAL	AVG HOURLY REDUCTION (MW)	14
CAUSE CODE	2649 - OTR ECC RHR PROB	TOTAL ENERGY LOST (MWH)	1834

CAUSE OF EVENT - POWER REDUCTION TO LESS THAN MDC RATING FOR LOCA ANALYSIS.

CORRECTIVE ACTION - RETURN TO FULL POWER ONCE FINAL ANALYSIS IS COMPLETE AND OPERATION AT FULL POWER IS APPROVED.

ACTION TO PREVENT RECURRENCE - N/A

OPEN ITEMS N EXP - N/A

ROOT CAUSE INVESTIGATION - N PROBLEM ALERT - N

COMMENTS - ON TUESDAY NIGHT, 05/14/91, AN 8 HR LCO WAS INVOKED AFTER BEING NOTIFIED BY THE FUELS GROUP THAT AN INSUFFICIENT ANALYSIS EXISTED FOR PLNT PROCEDURES TO MAINTAIN CORE COOLING IN POST LOCA, LONG TERM RECIRCULATION CONDITIONS. AT 2120 HRS AND A REDUCED POWER LEVEL OF 60%, A SPECIFIC EVALUATION WAS RECEIVED WHICH JUSTIFIED OPERATION UP TO 95% POWER. UPON COMPLETION OF REVIEW OF THAT EVALUATION, THE LCO WAS CANCELLED AT 2138 HRS AND THE UNIT WAS RAMPED BACK UP TO 90% POWER BY 0525 HRS ON WEDNESDAY, 05/15/91. FURTHER ANALYSES WAS PERFORMED, LIMITING POWER TO  $\leq 92.5\%$ . AN INCREASE TO 92% WAS PERFORMED WHICH ALLOWED THE UNIT'S NET TOTAL DAILY OUTPUT TO BE  $\geq$  MDC, AS OF 05/20/91. BASED ON A FINAL ANALYSIS, APPROVAL FOR FULL POWER OPERATION WAS RECEIVED IN THE UNIT 2 CONTROL ROOM ON 05/29/91. POWER ESCALATION FROM 92% COMMENCED AT 1130 HRS AND FULL POWER WAS ACHIEVED AT 1300 HRS ON 05/29/91.

CP&L CO  
 RUN DATE 06/04/91  
 RUN TIME 12:50:27

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: MAY 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): 665.0 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THRU 7) SINCE LAST REPORT, GIVE REASONS: None	NOTES There are 543 assemblies onsite. 330 are in the Spent Fuel Pit, 157 in the Reactor Vessel, and 56 in the Dry Fuel Storage.
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9. POWER LEVEL TO WHICH RESTRICTED IF ANY (NET MWE): N/A  
 10. REASONS FOR RESTRICTION IF ANY: None

	THIS MONTH	YR TO DATE	CUMUL ATIVE
11. HOURS IN REPORTING PERIOD	744.00	3623.00	177527.00
12. NUMBER OF HOURS REACTOR CRITICAL	744.00	2056.42	123314.67
13. REACTOR RESERVE SHUTDOWN HRS	.00	.00	3314.65
14. HOURS GENERATOR ON LINE	744.00	2001.95	120474.52
15. UNIT RESERVE SHUTDOWN HOURS	.00	.00	23.20
16. GROSS THERMAL ENERGY GEN. (MWH)	1626479.04	4328154.72	242861623.92
17. GROSS ELEC. ENERGY GEN. (MWH)	537771.00	1436445.00	78656380.00
18. NET ELEC. ENERGY GENERATED (MWH)	512203.00	1359296.00	74256774.00
19. UNIT SERVICE FACTOR	100.00	55.26	67.86
20. UNIT AVAILABILITY FACTOR	100.00	55.26	67.88
21. UNIT CAP. FACTOR (USING MDC NET)	103.53	56.42	62.90
22. UNIT CAP. FACTOR (USING DER NET)	98.35	53.60	59.75
23. UNIT FORCED OUTAGE RATE	.00	.00	15.40
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 06/04/91  
RUN TIME 11:09:31

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

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

MAY 1991

DAY	AVG. DAILY POWER LEVEL (MWE-NET)	DAY	AVG. DAILY POWER LEVEL (MWE-NET)
1	727	17	658
2	722	18	661
3	723	19	663
4	724	20	665
5	725	21	668
6	726	22	668
7	724	23	668
8	721	24	667
9	722	25	669
10	722	26	669
11	710	27	668
12	628	28	666
13	723	29	690
14	655	30	718
15	621	31	716
16	657		

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May

DOCKET NO. 050-0261  
UNIT NAME H. R. Robinson  
DATE 06/04/91  
COMPLETED BY J. W. Grooms  
TELEPHONE (803) 383-4524

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
0501	051191	F	2.33	B	1		N/A	Valvex	Ramp down to 66% power to perform OST-551, Monthly Turbine Valve Test and NIS Cals.
0502	051291	S	0.09	B	1		N/A	Valvex	Ramp up from 66% to 100% power after completion of Monthly Turbine Valve Test.

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** 06/04/91  
**COMPLETED BY** J. W. Grooms  
**TELEPHONE** (803) 383-4524

**REPORT MONTH** May

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
0503	051491	F	2.76	H	1		N/A	N/A	<p>Cause of Event: Power reduction to less than MDC rating for LOCA analysis.</p> <p>Corrective Action: Return to full power once final analysis is complete and operation at full power is approved.</p>

<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

(9/77)