OF 5/15/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-261

REC: VOLGENAU E
NRC

ORG: ~~261~~ H. R. BANKS
CAROLINA PWR & LIGHT

DOCDATE: 05/10/78
DATE RCVD: 05/15/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED
LTR 1 ENCL 1

SUBJECT:
FORWARDING SUBJECT FACILITY"S MONTHLY OPERATING REPT FOR THE MONTH OF APRIL, 1978.

PLANT NAME: H B ROBINSON - UNIT 2

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: me

********** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS **********

MONTHLY OPERATING REPORT FOR GRAY BOOK PREPARATION.
(DISTRIBUTION CODE A003)

FOR ACTION: BR CHIEF SCHWENCER**W/2 ENCL

INTERNAL: REG FILE**W/ENCL
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MIPC FOR ACTION**W/2 ENCL

EXTERNAL: LPDR'S
HARTSVILLE, SC**W/ENCL
TIC**W/ENCL
NSIC**W/ENCL
BNL(NATLAB)**W/ENCL
ACRS CAT B**W/O ENCL

DISTRIBUTION: LTR 10 ENCL 10
SIZE: 1P+6P

CONTROL NBR: 781320174

********** THE END **********

CP&L

Carolina Power & Light Company

May 10, 1978

FILE: NG-3513 (R) SERIAL: GD-78-1315

1978 MAY 15 AM 9 53

RECEIVED DISTRIBUTION SERVICES UNIT

Mr. Ernst Volgenau, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
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 Mr. Volgenau:

In accordance with Technical Specification 6.9.1.c for the H. B. Robinson Steam Electric Plant, Unit No. 2, Carolina Power & Light Company herewith submits the report of operating statistics and shutdown experience for the month of April, 1978.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

DCS:tme*

Enclosure

cc: Messrs. R. A. Hartfield
N. C. Moseley

7813201 74

336 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

A003
S11

OPERATING DATA REPORT

DOCKET NO. DPR-23
DATE 780503
COMPLETED BY M. L. Watford
TELEPHONE 803-332-1351

OPERATING STATUS

1. Unit Name: H. B. Robinson Two
2. Reporting Period: 780401,0000/780430,2400
3. Licensed Thermal Power (MWt): 2200
4. Nameplate Rating (Gross MWe): 739
5. Design Electrical Rating (Net MWe): 700
6. Maximum Dependable Capacity (Gross MWe): 700
7. Maximum Dependable Capacity (Net MWe): 665

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: None

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	719	2879	62,741
12. Number Of Hours Reactor Was Critical	466.25	1079.88	48,262.00
13. Reactor Reserve Shutdown Hours	7.10	45.02	470.07
14. Hours Generator On-Line	163.11	771.54	46,977.41
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	157,925	1,472,170	95,739,693
17. Gross Electrical Energy Generated (MWH)	46,363	471,352	30,976,655
18. Net Electrical Energy Generated (MWH)	30,190	432,803	29,352,792
19. Unit Service Factor	22.69	26.80	74.88
20. Unit Availability Factor	22.69	26.80	74.88
21. Unit Capacity Factor (Using MDC Net)	6.31	22.61	70.35
22. Unit Capacity Factor (Using DER Net)	6.00	21.48	66.83
23. Unit Forced Outage Rate	4.85	17.71	14.94

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
None

25. If Shut Down At End Of Report Period, Estimated Date of Startup: On Line
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	-	-
INITIAL ELECTRICITY	-	-
COMMERCIAL OPERATION	-	-

pb

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
UNIT H.B.Robinson Two
DATE 780503
COMPLETED BY M. L. Watford
TELEPHONE 803-332-1351
Ext. 138

MONTH April 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	72
9	0	25	118
10	0	26	161
11	0	27	368
12	0	28	345
13	0	29	339
14	0	30	316
15	0	31	0
16	0		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

(9/77)

pb

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR-23
UNIT NAME H.B.Robinson Two
DATE 780503
COMPLETED BY M. L.Watford
TELEPHONE 803-332-1351

REPORT MONTH April 1978

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
78-03	780201	S	547.57	C	4	NA	ZZ	ZZZZZZ	Refueling/Maintenance Outage Reactor in shutdown mode due to preceding outage.
78-04	780424	F	5.25	B	3	NA	HA	MECFUN	Excessive vibrations in Turbine bearings No. 4 & No. 5. Balanced and returned to service.
78-05	780425	F	3.07	A	3	NA	CD	VALVEX	"C" MSIV solenoid coil failed causing valve to drift partially shut. Replaced solenoid coil and returned to service.

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)

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EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
"C" MSIV Dump Solenoid	none	Solenoid leaking air.	Valve closing	Solenoid coil replaced.
"A" Aux. FW Pump	none	Faulty overload relay	Trips on over-current	Relay replaced
NIS Power Range	none	Out of adjustment	NIS disagrees with calorimetric	NIS adjusted
Steam-driven Aux. FW Pump	none	Worn steam trap flange	Flange leaking	Flange seats polished
RCS 558C	none	Isolation valve packing leak	Valve leaking	Packing ring nuts tightened
"A" S/G Blowdown Orifice	none	Loose bolts on flange	Steam leak	Bolts tightened
"B" S/G Blowdown Orifice	none	Loose flange bolts	Steam leak	Bolts tightened
RC-535 Valve	none	Loose packing	Excessive leakage	Packing tightened
V460B Let-down	none	Broken bolt diaphragm assy.	Excessive leakage	Replaced all bolts
RMS-19 Monitor	none	Contamination build-up	High reading	Decon.
"C" Charging Pump	none	Leaking recirc. valve	Below normal performance	Valve corrected
"B" Primary Water Pump Feed Reg. Bypass	none	Broken shaft & burned motor	Inoperable	Pump repaired
Valve "C"	none	Broken spring hold-down bolts	Abnormal performance	Bolts replaced
"A" & "C" M.S. P.O.R.V.s	none	Faulty flange connections	Excessive leakage	Valves repaired
"B" Gas Stripper Inlet Filters	none	Depleted Filters	High delta P	Filters replaced
Press. Controller 444J and Auto Controller PC 444A	none	Defective control module	Abnormal control	Module replaced

pb

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
"A" & "B" Aux. FW Pumps	none	Low breaker setting out of calibration	Breaker fail to close	Breaker trip recalibrated
PIC 477	none	Out of calibration	Reading high	Recalibrated
"A" Emergency Diesel	none	Governor motor brush cap bad	Improper operation	Brush cap replaced
PC 954 Relay	none	Defective test switch	Tested improperly	Switch replaced
PI 476	none	Out of calibration	Reading high	Calibrated
PT 475-"A" MS Line	none	Defective fitting	Excessive leakage	Fittings renewed
TM 409C	none	Signal summator failed	High response	Summator replaced
SW-V6-35C	none	Motor problems	Would not operate	Installed rewound motor
Chemical Drn. Tk. Pump	none	Defective relay	Inoperable	Relay replaced
R11 & R12 Filter failure alarm	none	Relay timer malfunction	Alarm failure	Timer adjusted
"B" BA Evap.	none	Level transmitter not calibrated	No level indication	Transmitter calibrated
TE 432C & TE 431D	none	RTD Malfunction	Exceeded tolerance	RTDs replaced
"C" S/G Steam Flow FI-494	none	Transmitter valved out	Indicates '0' flow	Valved in
Reactor Coolant filters	none	Depleted Filters	High rad. levels	Filters changed
"C" PPS Header	none	Loose rubber seal	Leaking	Rubber seal tightened
CV Purge Exhaust	none	Loose rubber seal	Leaking	Rubber seal tightened
Valve 852C	none	Worn valve seats	Leaking	Worn parts replaced
RHR Valve 744B	none	Inefficient packing	Leaking	Packing added
"B" Emergency Diesel	none	Worn manifold gaskets	Oil leakage	Gaskets replaced

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Valve FCV-1935B	none	Insufficient packing	Leaking	Packing added
"A" Seal H_2O Inj. filters	none	Depleted Filters	High rad. levels	Filters changed
Service H_2O Pump Motor	none	Sight glass loose	Oil leakage	New glass installed
SI 866B (CV)	none	Misaligned packing	Packing leak	Packing adjusted
Purge Inlet Valve V 12-6 & V 12-7	none	Loose hex socket screws	Leaking	Screws secured
Pressurizer Liquid Space Sample Line	none	Ruptured tubing	Blowing steam	Tubing cleaned & welded
"B" Charging Pump	none	Worn recirc. valve	Leaking	Valve replaced
"A" Accumulator PZR PORV System	none	Leaking safety valve	Excessive leakage	System repaired
RC-535 PZR Relief Valve Isolation	none	Unlubricated stem	Excessive friction	Stem lubricated