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SUBJECT:
MONTHLY OPERATING REPT FOR THE MONTH OF FEBRUARY, 1978.

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PLANT NAME: H B ROBINSON - UNIT 2

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MONTHLY OPERATING REPORT FOR GRAY BOOK PREPARATION.
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7

Carolina Power & Light Company

REGULATORY DOCKET FILE COPY

March 13, 1978

FILE: NG-3513 (R)

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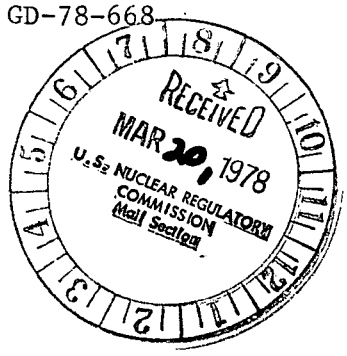

Mr. Ernst Volgenau, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Volgenau:

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2
DOCKET NO. 50-261
LICENSE NO. DPR-23
MONTHLY OPERATIONS REPORT

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 February, 1978.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

DCS:tme*

Enclosure

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

780790042

A003/S *
1/1

OPERATING DATA REPORT

DOCKET NO. DPR-23
DATE 780302
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351

OPERATING STATUS

1. Unit Name: H. B. Robinson Two
2. Reporting Period: 780201,0000/780228,2400
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:
No Change

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	672	1,416	61,278
12. Number Of Hours Reactor Was Critical	0	613.63	47,795.75
13. Reactor Reserve Shutdown Hours	0	37.92	462.97
14. Hours Generator On-Line	0	608.43	46,814.30
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	1,314,245	95,581,741
17. Gross Electrical Energy Generated (MWH)	0	424,989	30,930,292
18. Net Electrical Energy Generated (MWH)	0	*402,613	*29,322,602
19. Unit Service Factor	0	42.97	76.40
20. Unit Availability Factor	0	42.97	76.40
21. Unit Capacity Factor (Using MDC Net)	0	42.76	71.96
22. Unit Capacity Factor (Using DER Net)	0	40.62	68.36
23. Unit Forced Outage Rate	100	20.59	14.97

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: April 1, 1978

26. Units In Test Status (Prior to Commercial Operation):

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

*Does not include negative net generation of 3,342 MWH obtained during February.

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
UNIT H. B. Robinson Two
DATE 780302
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351

MONTH February, 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	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	-
14	0	30	-
15	0	31	-
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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February, 1978

DOCKET NO. DPR-23
UNIT NAME H. B. Robinson Two
DATE 780302
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351

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
78-02	780127	F	22.17	A	1	N/A	CB	Pump B	Excessive Vibration from RCP occurred.
78-03	780201	S	649.83	C	4	N/A	ZZ	ZZZZZZ	Refueling/Maintenance Outage - Reactor in shutdown mode due to preceding outage

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

(9/77)

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
CV Polar Crane	None	Bad Relay	Aux. hook would not move	Relay replaced
Manipulator Crane	None	Broken actuator arm in limit switch	Crane would not stop	Actuating mechanism replaced
Analyzer Valves VA-516 and VA-553	None	Valve rod arm not positioned correctly	Valves closed without giving proper indication	Valve rod arm re-positioned
CV Purge Exhaust Fan	None	Faulty limit switch	Would not indicate open	Limit switch repaired
"B" Train Safeguards	None	Switches sticking	Improper function	Switches repaired
"A" Diesel Gen. Pyrometer	None	Broken Wire	Low indication	Wire repaired
Various flow, temperature, pressure, and level indicators	None	N/A	N/A	Refueling calibration
Various valves	None	N/A	N/A	Refueling inspection and stroking
CVC-303A Valve	None	Leaking diaphragm	Air leak	Renewed diaphragm
SI-866B Valve	None	Packing leak	Leaking	Renewed packing
SG "B" 32 Valve	None	Packing leak	Leaking	Renewed packing
SG "C" Blowdown Isolation Valve	None	Packing leak	Blowing steam	Replaced packing
SG "A" Blowdown Isolation Valve	None	Bad gasket	Blowing steam	Gasket replaced
RCS Sample Loop "C" Valve	None	Faulty bonnet studs	Leaking	Repaired studs

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
HVE-15	None	Stretched belts	Insufficient performance	Belts replaced
"A" Gas Stripper Pump	None	Motor burned-up	No operation	Rotor and stator replaced
V2-16C Manual Stop Valve	None	Damaged packings	Leaking	Packing replaced
SG Drain Pump	None	Overpressurization	Cracked casing	Pump replaced
CVCS Valve 356A	None	Separated Diaphragm	Leaking by	Diaphragm replaced
CV Personnel Air Lock	None	Worn cam follower bearings	Unsatisfactory operation	Renewed cam follower bearings
PP-30A S-39 Test Gauge Isolation	None	Valve corroded	Will not operate	Valve replaced
Valve CVC-275B	None	Worn bonnet assembly	Valve leaking	Bonnet replaced
Valve CVC-307	None	Packing damaged	Packing leaking	Packing replaced
CV Relief Valve V12-13	None	Removed for hydro lasing of vessel cavity	Reinstalled for service	Reinstalled
Pressurizer Relief Valve	None	Removed for CV air test	Reinstalled for service	Reinstalled
"A" Accumulator Vent Valve	None	Worn diaphragm	Air leak	Renewed diaphragm
"A", "B" & "C" MSIV	None	Worn packings	Preventive maintenance	Packings replaced
QM-408E Computer	None	Ripple in power supply	Excessive noise	Power supply replaced
CV Purge Valve	None	Bad solenoid	Would not open	Valve repaired
PM-464B	None	Faulty capacitor	Shifted to high and erratic output	Capacitor replaced

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Isolator PM 468	None	Faulty capacitor	Output reads high	Capacitor replaced
NIS Channel 31	None	Faulty detector	Incorrect response	Detector replaced
SFP Upender	None	Bad contacts	Improper function	Contacts renewed
"B" B.A. Evap. Feed Pump	None	Overheated motor	Inefficient Operation	Pump replaced
Spent Fuel Handling Tool Pin	None	Binding pins	Hanging up	Pins repaired