4/19/78

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

REC: VOLGENAU E
NRC

ORG: BANKS H R
CAROLINA PWR & LIGHT

DOCDATE: 04/12/78
DATE RCVD: 04/18/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:
FORWARDING SUBJECT FACILITY"S MONTHLY OPERATING REPT FOR THE MONTH OF MARCH, 1978.

COPIES RECEIVED
LTR 1 ENCL 1

PLANT NAME: H B ROBINSON - UNIT 2

REVIEWER INITIAL: XJM
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********** 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

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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+7P

CONTROL NBR: 781090034

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

CP&L

Carolina Power & Light Company

April 12, 1978

FILE: NG-3513 (R) SERIAL: GD-78-1053

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 March, 1978.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

DCS:dcj

Enclosure

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

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

OPERATING DATA REPORT

DOCKET NO. DPR-23
DATE 780403
COMPLETED BY M. L. Watford
TELEPHONE 803-332-1351

OPERATING STATUS

1. Unit Name: H. B. Robinson - Two
2. Reporting Period: 780301,0000/780331,2400
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

No Change

Notes

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	744	2,160	62,022
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	28.17	75.48
20. Unit Availability Factor	0	28.17	75.48
21. Unit Capacity Factor (Using MDC Net)	0	28.03	71.09
22. Unit Capacity Factor (Using DER Net)	0	26.63	67.54
23. Unit Forced Outage Rate	0	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, 1978
26. Units In Test Status (Prior to Commercial Operation):

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
UNIT H. B. Robinson - Two
DATE 780403
COMPLETED BY M. L. Watford
TELEPHONE 803-332-1351

MONTH March, 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	0
14	0	30	0
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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1978

DOCKET NO. DPR-23
UNIT NAME H. B. Robinson - Two
DATE 780403
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
78-03	780201	S	744	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)

MAINTENANCE

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Snubbers #21 and #28	None	Safety related snubbers		Redesign supports
R-21 Pump	None	Worn pump	Pump locked up	Pump replaced
BIT Sample Line	None	Sample line disconnected	Leak	Sample line connected
"C" RCP Lower oil cooler leak	None	faulty flange	Excessive leakage	Flanged replaced
"A" and "B" Emergency Diesels	None	Dirty filters	Preventive maintenance	Replaced filters
RC-536 shutoff valve	None	Loose bonnet bolts	Motor insecure	Bonnet bolts tightened
CVC-306A	None	Worn packing	Leaking	Replaced packing
CVC-304H	None	Worn packing	Leaking	Replaced packing
CVC-304D	None	Worn packing	Leaking	Replaced packing
"A" Accumulator	None	Faulty gasket	Leaking	Gasket replaced
SI-851B	None	Worn packing	Leaking	Packing replaced
RC-562A and CVC-3090	None	Worn packings	Leaking	Replaced packings
FE-934 Orifice Flange	None	Worn flange gasket	Leaking	Gasket replaced

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Part Length Rod H-2	None	Faulty coil stack	Would not move	Drive motor and coil stack replaced
Valves 956 E and F	None	Excessive wear	Valves leaking	Valves lapped and replaced packings and gaskets
Valve CVC 383	None	Worn gasket	Leaking flange	Gasket replaced
Valve RC 562A	None	Blown packing	Valve leaking	Packing replaced
Valve CVC 309D	None	Blown packing	Valve leaking	Packing replaced
Valves 956 C and H	None	Worn seats and gaskets	Seat leakage	Lapped valves and replaced gaskets
Valve CCW 905	None	No drain pipe (nipple)		Nipple welded in place
Valve RHR 744A	None	Faulty brake system	Not braking properly	Magnetic brake assembly replaced
Valve CVC 365A	None	Bad diaphragm	Valve leaking	Diaphragm replaced
"C" FW Regulator Valve	None	Inspection		Inspected and returned to service
"A" Waste Evaporator	None	Worn float valve	Valve hanging	Float valve replaced
Aux. Check Valve "A"	None	Faulty top seal ring	Leaking	Replaced top seal ring
RMS-18	None	Contamination composite	High reading	Monitor deconned
"C" RCP Lower Oil Cooler Leak	None	Loose flange joint and worn gasket	Leaking	Flange cleaned and reconnected using new gasket

MAINTENANCE

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
NIS Source Range 31 and 32	None	Defective gain pots	Unsatisfactory operation	Gain pots replaced
"B" Aux. FW Pump Breaker	None	Uninsulated wire	D. C. ground	Wire renewed
"B" Service Water Pump Motor	None	Grounded cable	Meggered bad	Cable repaired
Intermediate Range Channel N-36	None	Defective detector tube	Incorrect response	Detector replaced
FT-426 CH III	None	Defective sensing module	slowly decreasing indication	Transmitter replaced
Valve CVC-311	None	Bad solenoid valve	Would not open	Solenoid rebuilt
Various flow, level, pressure, and temperature transmitters	None	Refueling calibration		Proper calibration

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Primary Water Flow Controller - FC114	None	Worn Controller	Would not transfer from manual to auto	Controller replaced
Service Water Valves V6-12A, B, C, D	None	Water in Motor Windings	Motors grounded	Motors dried out
Hagan Power Supply	None	Worn equipment	Failed during P.T.	Power supply replaced
Valve VA-V6-12A	None	Dirty limit switch contacts	Would not open	Contacts cleaned
TC-408H Summator	None	Faulty equipment	Output failure	Summator replaced
NIS Power Ranger 41, 42, 43, 44	None	Defective gain pots	Incorrect output	Replaced gain pots
RMS-18 Radiation Monitor	None	Bad solenoid	Monitor drawer blows fuses	Renewed solenoid
"A" Station Battery	None	Broken jar	Unsatisfactory service	Jar renewed
Post Accident H_2 Venting System	None	Bad pressure switch	No operation	Pressure switch calibrated