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50-261

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CAROLINA PWR & LIGHT

DOCDATE: 02/13/78
DATE RCVD: 02/16/78

DOCTYPE: OTHER NOTARIZED: NO
SUBJECT:
MONTHLY OPERATING REPT FOR JANUARY, 1978 - UNIT 2.

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LTR 0 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: BRANCH CHIEF SCHWENCER**W/2 ENC

INTERNAL: REG FILE**W/ENCL NRC PDR**W/ENCL
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EXTERNAL: LPDR'S
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BNL(NATLAB)**W/ENCL
ACRS CAT B**W/O ENCL

DISTRIBUTION: LTR 10 ENCL 10
SIZE: 1P+5P

CONTROL NBR: 780480245

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



Carolina Power & Light Company

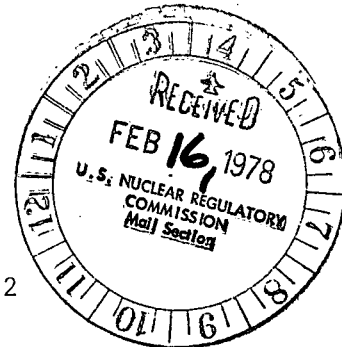
February 13, 1978

REGULATORY DOCKET FILE COPY

FILE: NG-3513 (R)

SERIAL: GD-78-400

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 January, 1978.

Yours very truly,

H. R. Banks
Manager
Nuclear Generation

WH:dj

Enclosure

cc: Messrs. W. G. McDonald
N. C. Moseley

780480245

A003/5 *
0/1

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
UNIT H. B. Robinson
DATE 780203
COMPLETED BY M. L. Watford
TELEPHONE 332-1351

MONTH January, 1978

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>633</u>
2	<u>676</u>
3	<u>677</u>
4	<u>675</u>
5	<u>676</u>
6	<u>677</u>
7	<u>677</u>
8	<u>648</u>
9	<u>677</u>
10	<u>676</u>
11	<u>676</u>
12	<u>654</u>
13	<u>497</u>
14	<u>0</u>
15	<u>226</u>
16	<u>676</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>680</u>
18	<u>681</u>
19	<u>679</u>
20	<u>678</u>
21	<u>679</u>
22	<u>678</u>
23	<u>677</u>
24	<u>677</u>
25	<u>678</u>
26	<u>677</u>
27	<u>644</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

INSTRUCTIONS

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

These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1978

DOCKET NO. DPR-23
 UNIT NAME H. B. Robinson
 DATE 780203
 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
78-01	780113	F	39.67	A	3	N/A	HB	Instru	Faulty solenoid caused Main Steam Isolation Valve to close. Solenoid was repaired.
78-02	780127	F	95.90	A	1	N/A	CB	Pump B	Excessive vibration from RCP occurred. Resulted in early initiation for refueling.

¹
 F: Forced
 S: Scheduled

²
 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)

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)

OPERATING DATA REPORT

DOCKET NO. DPR 23
DATE 780203
COMPLETED BY M. L. Watford
TELEPHONE (803) 332-1351

OPERATING STATUS

1. Unit Name: H. B. Robinson Two
2. Reporting Period: 780101,0000/780131,2400
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	<u>744</u>	<u>744</u>	<u>61350</u>
12. Number Of Hours Reactor Was Critical	<u>613.63</u>	<u>613.63</u>	<u>47795.75</u>
13. Reactor Reserve Shutdown Hours	<u>37.92</u>	<u>37.92</u>	<u>462.97</u>
14. Hours Generator On-Line	<u>608.43</u>	<u>608.43</u>	<u>46814.30</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,314,245</u>	<u>1,314,245</u>	<u>95,581,741</u>
17. Gross Electrical Energy Generated (MWH)	<u>424,989</u>	<u>424,989</u>	<u>30,930,292</u>
18. Net Electrical Energy Generated (MWH)	<u>402,613</u>	<u>402,613</u>	<u>29,322,602</u>
19. Unit Service Factor	<u>81.78</u>	<u>81.78</u>	<u>77.24</u>
20. Unit Availability Factor	<u>81.78</u>	<u>81.78</u>	<u>77.24</u>
21. Unit Capacity Factor (Using MDC Net)	<u>81.38</u>	<u>81.38</u>	<u>72.76</u>
22. Unit Capacity Factor (Using DER Net)	<u>77.31</u>	<u>77.31</u>	<u>69.12</u>
23. Unit Forced Outage Rate	<u>18.22</u>	<u>18.22</u>	<u>14.94</u>

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: 780311
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast	Achieved
<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>
<u>-</u>	<u>-</u>

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
SG steam line pressure transmitter	None	Out of adjustment	Low indication	Transmitter zero adjusted
Boric acid evapora- tor feed tank heaters	None	480 volt ground	Heaters grounded	New heaters installed
Hot leg temperature	None	Faulty capacitors in amplifiers	Recorder pen slow to respond	Capacitors replaced
North S.W. Strainer	None	Faulty coil	Blown fuses	Coil replaced
SW strainer	None	Bad micro switch	Continuous alarm	Switch replaced
RMS-18	None	Broken connector cable	No indication	Cable replaced
Engine driven fire pump	None	Leaking solenoid	Propane leak	Solenoid repaired

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
A BA Evap.	None	Faulty inlet ell	No flow	Ell was turned
Boric acid transfer pump	None	Valve binding	Would not close	Valve replaced
Service water Pp	None	Filler plug loose	Losing oil	Filler plug tightened
RHR valve	None	Worn valve motor	Inoperable	Valve motor replaced
SI valve	None	Poorly lubricated stem	Slow operation	Valve stem and driving nut lubricated
Charging Pp	None	Discharge valves and guides worn	Failed to maintain pressure	Replaced valves and guides
BA Evap.	None	Level control valve had worn seat	Tripping on high level	Valve seat replaced
Service H ₂ O Pp	None	Worn pump	Decreasing capacity	Pump replaced
RMS-18	None	Excessive contamination	High readings	Deconned
CCW valve	None	Poorly lubricated	Opened slowly	Valve lubricated
Heat tracing circuit boric acid transfer Pp	None	Thermocouple placement	Low temperature	Thermocouples secured
Nuclear instrumentation	None	Out of calibration	Disagreed with calorimetric	NIS calibrated
Main steam isolation valve	None	Faulty coil	Failed close	Coil replaced
Source range	None	Faulty channel	Excessive noise	Detector replaced
Letdown diversion valve	None	Limit switch out of adjustment	Dual indication	Switch properly adjusted

RECEIVED DOCUMENT
CONTROL DESK

1978 FEB 16 PM 12 29

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DISTRIBUTION SERVICES
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