

Boh/22/14

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-261

REC: VOLGENAU E
NRC

ORG: FURR B J
CAROLINA PWR & LIGHT

DOCDATE: 09/15/78
DATE RCVD: 09/21/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED

SUBJECT:

LTR 1 ENCL 1

FORWARDING SUBJECT FACILITY'S MONTHLY OPERATING REPT FOR THE MONTH OF AUGUST, 1978.

PLANT NAME: H B ROBINSON - UNIT 2

REVIEWER INITIAL: XJM

DISTRIBUTOR INITIAL: *u*

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

ANNUAL, SEMI-ANNUAL & MONTHLY OPERATING RPTS (OL STAGE)
(DISTRIBUTION CODE A008)

FOR ACTION: BR CHIEF ORB#1 BC**W/6 ENCL

INTERNAL:

REG FILE**W/ENCL

I & E**W/2 ENCL

HANAUER**W/ENCL

AD FOR SYS & PROJ**W/ENCL

REACTOR SAFETY BR**W/ENCL

EEB**W/ENCL

EFFLUENT TREAT SYS**W/ENCL

NRC PDR**W/ENCL

MIPC**W/2 ENCL

DIRECTOR DOR**W/ENCL

ENGINEERING BR**W/ENCL

PLANT SYSTEMS BR**W/ENCL

CORE PERFORMANCE BR**W/ENCL

EXTERNAL:

LPDR'S

HARTSVILLE, SC**W/ENCL

NATL LAB ANL**W/ENCL

TERA**W/ENCL

NSIC**W/ENCL

BROOKHAVEN**W/ENCL

ACRS CAT B**W/16 ENCL

Thon Rpt

DISTRIBUTION: LTR 43 ENCL 43
SIZE: 1P+5P

CONTROL NBR: 780880329

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

cep



Carolina Power & Light Company

September 15, 1978

FILE: NG-3513(R)

SERIAL: GD-78-2464

Mr. Ernst Volgenau, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 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 August, 1978.

Yours very truly,

B. J. Furr
Manager
Generation Department

DCS:lk

Enclosure

cc: Messrs. R. A. Hartfield
J. P. O'Reilly

780880329

5 A008
5/11

OPERATING DATA REPORT

DOCKET NO. DPR-23
 DATE 780905
 COMPLETED BY M. L. Watford
 TELEPHONE 332-1351

OPERATING STATUS

1. Unit Name: H B Robinson Two
2. Reporting Period: 780801,0000/780831,2400
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:
NONE

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	<u>744</u>	<u>5831</u>	<u>65,693</u>
12. Number Of Hours Reactor Was Critical	<u>740.43</u>	<u>3890.39</u>	<u>51,072.51</u>
13. Reactor Reserve Shutdown Hours	<u>3.57</u>	<u>186.51</u>	<u>611.56</u>
14. Hours Generator On-Line	<u>739.30</u>	<u>3574.71</u>	<u>49,780.58</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,607,654</u>	<u>7,460,376</u>	<u>101,727,872</u>
17. Gross Electrical Energy Generated (MWH)	<u>494,024</u>	<u>2,332,190</u>	<u>32,837,493</u>
18. Net Electrical Energy Generated (MWH)	<u>469,022</u>	<u>2,196,576</u>	<u>31,116,565</u>
19. Unit Service Factor	<u>99.37</u>	<u>61.31</u>	<u>75.78</u>
20. Unit Availability Factor	<u>99.37</u>	<u>61.31</u>	<u>75.78</u>
21. Unit Capacity Factor (Using MDC Net)	<u>94.80</u>	<u>56.65</u>	<u>71.23</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.06</u>	<u>53.82</u>	<u>67.67</u>
23. Unit Forced Outage Rate	<u>.63</u>	<u>8.10</u>	<u>14.44</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: ON LINE
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY	<u>-</u>	<u>-</u>
INITIAL ELECTRICITY	<u>-</u>	<u>-</u>
COMMERCIAL OPERATION	<u>-</u>	<u>-</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. DPR-23
 UNIT NAME HB Robinson Two
 DATE 780906
 COMPLETED BY M. L. Watford
 TELEPHONE 803-332-1351

REPORT MONTH August

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
09-01	780801	F	4.70	A	3	-	CC	Instru	Loose screw in S.G. Level (Pen 3) circuitry caused high level alarm which caused the FWRV to go full open.
09-02	780820	S	-	B	4	-	HB	HTEXCH	Power reduction to inspect condenser for possible tube leaks.

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)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. DPR-23
 UNIT H B Robinson Two
 DATE 780906
 COMPLETED BY M. L. Watford
 TELEPHONE 803-332-1351

MONTH August

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>470</u>
2	<u>640</u>
3	<u>644</u>
4	<u>644</u>
5	<u>647</u>
6	<u>628</u>
7	<u>649</u>
8	<u>650</u>
9	<u>645</u>
10	<u>648</u>
11	<u>648</u>
12	<u>647</u>
13	<u>631</u>
14	<u>644</u>
15	<u>644</u>
16	<u>644</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>642</u>
18	<u>637</u>
19	<u>631</u>
20	<u>492</u>
21	<u>639</u>
22	<u>641</u>
23	<u>639</u>
24	<u>639</u>
25	<u>640</u>
26	<u>640</u>
27	<u>622</u>
28	<u>638</u>
29	<u>640</u>
30	<u>641</u>
31	<u>639</u>

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)

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Engine Driven Fire Pp	none	pressure switch misadjustment	starts in auto at bottom of band	switch adjusted
"A" Diesel	none	outboard air start solenoid leaking	leaking air	solenoid replaced
Engine Driven Fire Pp	none	depleted batteries	-	replaced batteries
Service Water Valve V6-12D	none	binding limit switch	closed light would not go out	light switch replaced
Comparator model #4111082-001	none	faulty integrated circuit (A-3)	excessive setpoint drift	circuit (A-3) replaced
Heat Trace Recorder #1	none	defective contact brush assembly	erratic readings	renewed contact brush assembly
"C" Charging Pp	none	bad discharge valves	would not maintain PZR. level with 60 gpm orifice	valves replaced
"C" Charging Pp	none	safety valve valve disc cut	leaking at seat	valve disc replaced
CVC-113B	none	ruptured diaphragm	slow operation	diaphragm replaced
Spent Fuel Cask Vent Valve	none	worn handwheel	unsatisfactory operation	handwheel fabricated and replaced
"B" Boric Acid Transfer Pp	none	defective front bearing housing and impeller	noisy while running	rebuilt pump
"A" Boric Acid Evap. Feed Tank Pp.	none	inefficient operation	low discharge pres.	pump rebuilt
"C" Main FW Regulator Valve	none	worn packing	packing leak	packing gland tightened
Valve RHR-HCV-142	none	worn packing	high stem leakage	renewed packing
HVH-2	none	leaking tubes	leaking fan cooler	tubes soldered and/or plugged
WD1786 RCDT Vent Valve	none	bad control relay	blows fuses	relay replaced

EQUIPMENT	EFFECT ON SAFE OPERATION	MALFUNCTION		CORRECTIVE/PREVENTIVE ACTION
		CAUSE	RESULTS	
Spent Fuel Pit Crane	none	fuel element hoist upper limit switch out of alignment	limited travel	limit switch readjusted
TR 410	none	faulty floating potentiometer circuit faulty	reading 100°F high	circuit replaced
ΔT Protection	none	loop 3 ΔT protection out of calibration	indicating high	ΔT protection calibrated
NIS	none	out of calibration	does not agree with calorimetric	NIS calibrated