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Edwin I. Hatch Nuclear Plant



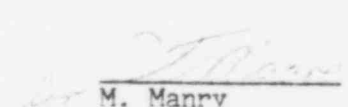
July 9, 1979  
PM-79-610

PLANT E. I. HATCH  
NRC Monthly Report  
Docket No. 50-366

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

Dear Sirs:

Pursuant to Section 6.9.1.6 of the Hatch Unit 2 Technical Specifications, please find attached the NRC Monthly Operating Report.

  
M. Manry  
Plant Manager

MM/peb

xc: C. T. Moore  
T. V. Greene  
File

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# OPERATING DATA REPORT

DOCKET NO. 50-366  
 DATE 7-5-79  
 COMPLETED BY P. B. Allen  
 TELEPHONE 912-367-7781

## OPERATING STATUS

1. Unit Name: Hatun - 2
2. Reporting Period: June 1979
3. Licensed Thermal Power (MWt): 2436
4. Nameplate Rating (Gross MWe): 817
5. Design Electrical Rating (Net MWe): 784
6. Maximum Dependable Capacity (Gross MWe): 749
7. Maximum Dependable Capacity (Net MWe): 716
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons for Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>4343</u>	<u>8760</u>
12. Number Of Hours Reactor Was Critical	<u>509.7</u>	<u>934.9</u>	<u>3567.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>260.9</u>	<u>544.4</u>	<u>1931</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>504955</u>	<u>920070</u>	<u>2926011</u>
17. Gross Electrical Energy Generated (MWH)	<u>120460</u>	<u>235010</u>	<u>771610</u>
18. Net Electrical Energy Generated (MWH)	<u>108593</u>	<u>200428</u>	<u>693960</u>
19. Unit Service Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
20. Unit Availability Factor	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
21. Unit Capacity Factor (Using MDC Net)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
22. Unit Capacity Factor (Using DER Net)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
23. Unit Forced Outage Rate	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup:

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

Forecast

Achieved

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

8-23-79

7-4-78

9-22-78

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(C/77)

7907170222 DUPE

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-366

UNIT Hatch - 2

DATE 7-5-79

COMPLETED BY P. B. Allen

TELEPHONE 912-367-7781

MONTH June 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>211</u>
2	<u>459</u>
3	<u>480</u>
4	<u>-14</u>
5	<u>-11</u>
6	<u>-11</u>
7	<u>-12</u>
8	<u>-13</u>
9	<u>-14</u>
10	<u>26</u>
11	<u>-10</u>
12	<u>-12</u>
13	<u>46</u>
14	<u>297</u>
15	<u>527</u>
16	<u>42</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>374</u>
18	<u>576</u>
19	<u>27</u>
20	<u>-18</u>
21	<u>-17</u>
22	<u>81</u>
23	<u>-17</u>
24	<u>11</u>
25	<u>471</u>
26	<u>708</u>
27	<u>369</u>
28	<u>-10</u>
29	<u>-11</u>
30	<u>-11</u>
31	<u></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.

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1979

DOCKET NO. 50-366  
 UNIT NAME Hatch - 2  
 DATE 7-5-79  
 COMPLETED BY P. B. Allen  
 TELEPHONE 912-367-7781

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
79-06	790603	F	154:15	A	3	N/A	HH	PUMPXX	Rx Scram on Low Water Level Following Loss of Booster Pump Turbine
79-07	790610	F	74:35	A	3	N/A	HC	INSTRU	Turbine Trip on Low Vacuum
79-08	790615	F	18:54	A	3	N/A	RB	INSTRU	Rx Scram on APRM Upscale Trip
79-09	790619	F	76:14	A	3	N/A	HA	VALVEX	Rx Scramas a result of Load Rejection Startup Testing
79-10	790622	F	51:27	H	2	N/A	HA	RELAYX	Rx Scram Due to Gen. Diff. Aux. Lockout Relays
79-11	790627	S	83:41	B	3	N/A	CD	VALVEX	Rx Scram Due to MSIV Testing

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source

(9/77)

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NARRATIVE REPORT  
UNIT II

June 3	Startup Testing
June 6	Rx Scram on Low Water Level 1847 CST
June 10	On Line 0502 CST
June 10	Turbine Trip on Low Vacuum 1106 CST
June 13	On Line 1341 CST
June 15	Rx Scram on APRM Upscale Trip 2114 CST
June 16	On line 1608 CST
June 19	Rx Scram on TCV Fast Closure Load Rejection Test
June 22	On line 0535 CST
June 22	Rx Scram Due to Gen. Diff. Aux. Lockout Relays 1408 CST
June 24	On Line 1735 CST
June 27	Rx Scram on MSIV test 1219 CST

There was no single release of radioactivity or single radiation exposure which accounts for more than 10 percent of the allowable annual values during the previous month of 1979.

HATCH 2 SAFETY - RELATED MAINTENANCE REQUESTS  
TO BE REPORTED FOR JUNE 1979

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
79-2462	5-27-79	Replaced GE 180 meters with Sigma meters and calibrated instruments R632A&B
79-2603	5-29-79	Vented MSIV LC Pressure transmitters during main steam line pressurization. 2B32-N061B
79-2511	6-1-79	Replaced two Impellers 2E11-C001D
79-2480	5-25-79	Removed Hanger rod and positioned clamp to a vertical position and reassembled Hanger 2E11-RHR-H178
79-2473	5-31-79	Installed resistors as per DCR 79-227
79-2463	5-29-79	Replaced GE 180 meters with Sigma meters and calibrated 2E11-P071
79-2238	5-30-79	Recalibrated 2C32-N004C in accordance to HNP-2-5210 and DCR 79-180 2C32-N004C
79-2091	5-25-79	Installed thermocouple and hooked up 2B21-F013A
79-1794	5-30-79	Replaced Pilot Cartridge Assembly after bench testing of Cartridge Assembly was completed 2-B21-7013B
79-2379	5-30-79	Removed temporary cables from panel 2R25-S087
79-2686	6-7-79	Rerolled paper to Multiprint Ventilation Temperature recorder and reseated it properly 2T47-R612
79-2336	6-4-79	Checked line voltage on cables (208) volts 2R75-S045
79-2326	5-30-79	Temporarily ran two cables (208v) from 2R25-S087 breakers 7 & 9 and 10 & 12 as per DCR 79-195

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79-2592	6-4-79	Built two Digital to Analog Converters 2F41-2B31-C001
79-1301	6-12-79	Mounted Temporary Optical Detectors to Recirc. Pumps A & B per DCR 79-84
79-2621	6-11-79	HPCI condenser vacuum pump 2E41-C002
79-2090	6-8-79	Disassembled RHR/C.S. Jockey Pump, replaced worn parts, reassembled pump and returned to service 2E21-G003B
79-2518	6-9-79	Replaced RHR Flow transmitters per DCR 79-215
79-484	6-8-79	Replaced RPIS probe, checked all logic in RPIS Cabinet by simulating inputs at rear of panel for 2C11-26-15
79-2007	6-9-79	Changed out Columbia DS 3000 LVDTs with 500 series Schaevitz LVDTs per temp. DCR 78-442
79-2318	5-30-79	Installed 3 each 2-pole 20 amp circuit breakers and ran cables per DCR 79-193
79-2317	5-30-79	Installed 40 amp 2-pole breaker and ran cable per DCR 79-192
79-1492	6-14-79	Completed wiring as shown on DCR 78-119
79-2866	6-8-79	Welded nut to disc and installed disc; valve didn't pass LLRT, therefore, disassembled valve, lapped seat and reassembled valve passed test 2F51-F040
79-1363	5-6-79	Removed resistors and fabricated limiter and adjusted per DCR 79-89 and FDDRHT-2-385, Rev.1
79-2924	6-14-79	Replaced breaker on HPCI Pump Suction from Suppression Chamber and repaired loose connection at motor 2E41-F041
79-2915	6-18-79	Replaced motor to Suction Valve from Torus 2E41-F041

79-2810	6-21-79	Welded vent line valve back in place 2E11-FV003
79-1362	5-29-79	Removed 100 OHM resistors and closed BB55 and BB56 in 2HH-P612. Fabricated and installed limiter on control amplifier. 2E41-K615
79-546	6-2-79	Replaced Seal Water Inlet Line, and fittings 2E11-C001 D
79-2420	6-12-79	Terminated wire at breaker #24 2R25-S106
79-611	6-11-79	Implemented DCR 2-77-221
79-2885	6-11-79	Replaced field winding of HPCI Vacuum Tank Condensate Pump 2E41-C002-1
79-2327	6-6-79	Assembled RPS/MG Set Breaker Panels and wired per DCR 78-419
78-5351	6-12-79	Implemented DCR 78-483, cut out restraint No. 153, grinded down smooth and rewelded assembly per Bechtel procedure 2B31-G003
79-2359	6-12-79	Temporary instruments installed and calibrated per DCR 79-180
79-1494	6-13-79	Implemented temporary DCR 79-117 which installs pressure transducers on the SRV Tailpipes 2B21-F013A-K, K-M
78-2867	6-25-79	Installed 4 T/Cs in Drywell 2 on Rx Insulation at Sacrificial Shield and 2 in air gap 180° apart and relocated 2T47-N002 and N010 2T47-N001A&K
79-3059	6-24-79	Disassembled standby PSW Pump Discharge Strainer Inlet Isolation Valve and turned over 2P41-F335A
79-3058	6-24-79	Disassembled Standaby PSW Pump Discharge Strainer Outlet Isolation Valve and turned over 2P41-F336A



79-3033	6-24-79	Reversed standby PSW Pump Disch. Strainer Outlet Isolation Valve position is closed when showing closed 2P41-F336A
79-3032	6-24-79	Reversed Standby PSW Pump Disch. Strainer Inlet Isolation Valve position is closed when showing closed 2P41-F335A
79-2896	6-24-79	Returned indicator holes of DIVL PSW Strainer Back Wash Valve and placed indicator in right position 2P41-F313D
79-3008	6-23-79	Fixed contacts and alarm wiring on Recombiner Temp Hi and Low Annunciator 2N62-P600
79-428	6-26-79	Recalibrated HPCI Aux. Oil Pump-Auto Start Pressure Switch PS-1
79-3031	6-22-79	Changed setpoints on Main Steam Line Rad. Monitor A per HNP-2-5100
79-2959	6-22-79	Calibrated MSL Hi and HiHi to new setpoints 2D11K603A,B,C, and D
79-2962	6-23-79	Installed 120 VAC outlet with 15 AMP fuses as per DCR 79-109
79-3052	6-23-79	Investigated and repaired MSIV LCS Inboard Depressurization Valve 2E32-F003B
79-2775	6-22-79	Changed Oil and filters, flushed lines, visually inspected bearings and gear reducer and repaired water lines in HPCI turbine E41-C002
79-2884	6-22-79	Investigated and repaired HPCI Vacuum Pump; found loose connection on shunt field 2E41-C002-2
79-2998	6-26-79	Inspected lube oil system on HPCI turbine and added 110 gallons of oil to reservoir