

OPERATING DATA REPORT

DOCKET NO. 50-321  
 DATE 11-10-79  
 COMPLETED BY G. L. Johnson  
 TELEPHONE 912-367-7781

OPERATING STATUS

1. Unit Name: Hatch 1
2. Reporting Period: October 1979
3. Licensed Thermal Power (Mwt): 2436 Mwt
4. Nameplate Rating (Gross MWe): 809.3 MWe
5. Design Electrical Rating (Net MWe): 786.3 Net MWe
6. Maximum Dependable Capacity (Gross MWe): 797.3 Gross MWe
7. Maximum Dependable Capacity (Net MWe): 764.3 Net MWe
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>744</u>	<u>7295</u>	<u>33599</u>
12. Number Of Hours Reactor Was Critical	<u>735.0</u>	<u>4048.5</u>	<u>24736.9</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>728.7</u>	<u>3812.0</u>	<u>23296.5</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1667952</u>	<u>8452787</u>	<u>48061044</u>
17. Gross Electrical Energy Generated (MWH)	<u>554450</u>	<u>2760520</u>	<u>15516030</u>
18. Net Electrical Energy Generated (MWH)	<u>531511</u>	<u>2617830</u>	<u>14741888</u>
19. Unit Service Factor	<u>97.9</u>	<u>52.3</u>	<u>69.3</u>
20. Unit Availability Factor	<u>97.9</u>	<u>52.3</u>	<u>69.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>93.5</u>	<u>47.0</u>	<u>57.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>90.9</u>	<u>45.6</u>	<u>55.8</u>
23. Unit Forced Outage Rate	<u>2.2</u>	<u>8.7</u>	<u>15.3</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):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

	Forecast	Achieved
INITIAL CRITICALITY	<u>      </u>	<u>      </u>
INITIAL ELECTRICITY	<u>      </u>	<u>      </u>
COMMERCIAL OPERATION	<u>      </u>	<u>      </u>

1321 269  
 (9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-321

UNIT Hatch 1

DATE 11-10-79

COMPLETED BY G. L. Jonnson

TELEPHONE 912-367-7781

MONTH October 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	760	17	730
2	764	18	760
3	769	19	761
4	769	20	754
5	771	21	763
6	771	22	763
7	769	23	763
8	773	24	770
9	771	25	772
10	769	26	772
11	774	27	442
12	771	28	657
13	765	29	717
14	65	30	747
15	555	31	646
16	713		

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)

1321 270

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321  
 UNIT NAME Hatch 1  
 DATE 11-10-79  
 COMPLETED BY G. L. Johnson  
 TELEPHONE 912-367-7781

REPORT MONTH October

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
79-16	79-10-14	F	16:21	A	3	NA	HA	VALVEX	Rx Scram - Stop valve fast closure while testing No. 3 CIV
79-17	79-10-16	S	0	H	4	NA	ZZ	CONROD	Reduction due to Rod Pattern Adjustment.
79-18	79-10-27	S	0	H	4	NA	ZZ	CONROD	Rod Sequence Exchange
79-19	79-10-30	S	0	H	4	NA	ZZ	CONROD	Reduction due to Rod Pattern Adjustment

<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)

1321 271

NARRATIVE REPORT  
UNIT I

October 14th	Rx Scram - Stop valve fast closure while testing No. 3 CIV. Generator tied to line at 1655.CDT
October 16th	Reduction due to Rod Adjustment Pattern
October 27th	Rod Sequence Exchange
October 30th	Reduction due to Rod Pattern Adjustment

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

HATCH 1 SAFETY - RELATED MAINTENANCE REQUESTS  
TO BE REPORTED FOR OCTOBER 1979

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
78-3355	10-15-79	HPCI Turbine: Installed new internal bolting in steam-reversing chambers
79-2851	9-6-79	APRM: Pulled cable per DCR 77-274
79-5895	10-23-79	RWCU Holding pump A: Performed 5-year P.M. on pump
79-4156	10-11-79	Performed internal wiring changes for remote shutdown panels
79-3711	10-3-79	Repaired V13 manual valve
78-3451	10-4-79	Changed out solenoid valves on all SRVs P11-F013A-L
79-1040	10-3-79	Repaired RWCU regen. heat exchange relief valve
78-4433	10-2-79	Repaired HPCI steam supply valve
78-3791	10-2-79	Repaired RHR valve
79-4715	10-4-79	Repaired RHR Pump B suction line relief valve
79-3773	10-2-79	Investigated and repaired SRM "A"
79-3990	10-2-79	Repaired HCU 38-07
79-4573	10-2-79	Repaired 1C11-E111 on HCU 18-07
79-5663	10-1-79	Repaired Instrument Block cartridge valve
79-3039	10-2-79	Cut up Control Rod Drive (outer tube and flange) and stored in Radwaste drums
79-2024	8-8-79	Dismounted SRV Pilots for relapping of pilot seat and re-orificing

79-3124	10-11-79	Remoted shutdown panels Rx Building: Chipped up floor 1" deep, core drill three holes for conduit and pour concrete for pad
79-5995	10-17-79	Repaired Recirc Pump "B" Flow Control Station
79-5883	10-17-79	Repaired RWCU Demin Backwash Manual isolation valve
79-5932	10-16-79	Insured that no ground exist on the high side of the "C" Diesel Generator
79-5933	10-16-79	Insured that no ground exist on the high side of the "A" Diesel Generator
79-5808	10-12-79	Repaired RCIC Pump Valve
79-5939	10-16-79	250 VDC LPCI Inverter: Performed monthly P/M
79-3851	10-19-79	Performed HNP-1-6515 on Feeder from Startup Aux Transformer 1D BKR #135513
79-6074	10-19-79	Repaired green lite on Blank Annunciator Window
79-5857	10-19-79	Repaired drywell N <sub>2</sub> Post LOCA make-up flow recorder
79-5996	10-17-79	Repaired H <sub>2</sub> O <sub>2</sub> Analyzer A
79-5850	10-17-79	Performed HNP-1-6015 on RCIC Turbine and Pump
79-5761	10-17-79	Repaired drywell/torus H <sub>2</sub> O <sub>2</sub> Recorder
79-5674	10-16-79	Changed oil in PSW Pump 1B motor
79-5563	10-19-79	Inspected diesel engines for loose bolts and oil leaks

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79-4892	10-2-79	Diesel start air compressor: 5 year P/M per HNP-1-6450, 1 year P/M per HNP-1-6450
79-4739	10-18-79	Reworked service water and RNRSW pump suction restraints
79-4179	10-19-79	Repaired E11-F034C 24" Walworth valve
79-148	8-6-79	Changed out existing feedwater sparger with dual piston type spargers and removed cladding
79-1896	10-25-79	Repaired HPCI inboard steam isolation valve
79-4308	10-25-79	Repaired 1" test valve upstream of B21-F011B
79-4306	10-25-79	Repaired 1" test valve upstream of B21-F011A
79-5169	10-25-79	Repaired diesel generator 1A room fan 1B
79-6106	10-25-79	Repaired CRD pump 1A
79-1624	10-27-79	Adjusted main hoist on refueling platform load cells
79-4511	8-14-79	Checked connections on SRV-C, D & G solenoids
79-4698	9-6-79	Repaired RHR service water pump D
79-3989	10-29-79	Replaced diaphragms in SRVDL pressure switch
79-6153	10-30-79	Installed new oil seal in RWCU precoat pump
78-3557	10-31-79	Repaired Bisco foam penetration seal at 147 elev.

Georgia Power Company  
Post Office Box 442  
Baxley, Georgia 31513  
Telephone 912 367-7781  
912 537-9444

**Edwin I. Hatch Nuclear Plant**



November 10, 1979  
PM-79-1012

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

Office of Plans and Schedules  
Directorate of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20545

Dear Sirs:

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

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M. Manry  
Plant Manager

MM/peb

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

1321 276



OPERATING DATA REPORT

DOCKET NO. 50-366  
 DATE 11-10-79  
 COMPLETED BY G. L. Johnson  
 TELEPHONE 912-367-7781

OPERATING STATUS

1. Unit Name: Hatch 2
2. Reporting Period: October 1979
3. Licensed Thermal Power (MWt): 2436 MWt
4. Nameplate Rating (Gross MW): 817.0 Gross MWe
5. Design Electrical Rating (Net MWe): 784.0 Net MWe
6. Maximum Dependable Capacity (Gross MWe): 782.0 Gross MWe
7. Maximum Dependable Capacity (Net MWe): 749.0 Net MWe

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

\_\_\_\_\_

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>745</u>	<u>1369</u>	<u>1369</u>
12. Number Of Hours Reactor Was Critical	<u>676.1</u>	<u>1230.4</u>	<u>1230.4</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>628.0</u>	<u>1063.3</u>	<u>1063.3</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1429451</u>	<u>2314982</u>	<u>2314982</u>
17. Gross Electrical Energy Generated (MWH)	<u>473460</u>	<u>765960</u>	<u>765960</u>
18. Net Electrical Energy Generated (MWH)	<u>452813</u>	<u>730179</u>	<u>730179</u>
19. Unit Service Factor	<u>84.3</u>	<u>77.7</u>	<u>77.7</u>
20. Unit Availability Factor	<u>84.3</u>	<u>77.7</u>	<u>77.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>81.1</u>	<u>71.2</u>	<u>71.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>77.5</u>	<u>68.0</u>	<u>68.0</u>
23. Unit Forced Outage Rate	<u>14.8</u>	<u>19.4</u>	<u>19.4</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):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

\_\_\_\_\_  
 \_\_\_\_\_ 1321 277  
 \_\_\_\_\_  
 \_\_\_\_\_

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-366  
 UNIT Hatch 2  
 DATE 11-10-79  
 COMPLETED BY G. L. Johnson  
 TELEPHONE 912-367-7781

MONTH October 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	609
2	756
3	781
4	783
5	786
6	712
7	770
8	399
9	-16
10	-16
11	-12
12	-13
13	339
14	732
15	731
16	738

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	730
18	90
19	625
20	726
21	745
22	784
23	786
24	793
25	792
26	768
27	754
28	828
29	791
30	790
31	786

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)

1321 278

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-366  
 UNIT NAME Hatch 2  
 DATE 11-10-79  
 COMPLETED BY G. L. Johnson  
 TELEPHONE 912-367-7781

REPORT MONTH October 1979

1321 279

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
79-27	79-10-01	F	9:35	A	4	NA			Reduction due to tripped recirc pumps
79-28	79-10-08	F	109:07	A	3	NA			Rx scram due to containment high pressure instrumentation (false alarm)
79-29	79-10-18	S	7:52	B	1	NA			Shutdown to repair feedwater check valve

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

<sup>2</sup>  
 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)

<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

NARRATIVE REPORT  
UNIT 2

October 1st                      Reduction due to tripped recirc. pumps  
                                    (Forced)

October 8th                      Rx Scram due to Containment High Pressure  
                                    Instrumentation Alarm (False Alarm:  
                                    apparently due to bumped instrumentation  
                                    rack.) Outage prolonged due to steam leaks  
                                    in Drywell. (Forced)

October 13th                     Generator tied to line 0130 CDT

October 18th                     Shutdown to repair feedwater check valve  
                                    2B21-F077A in the Feedwater Main Steam  
                                    Line (Scheduled)

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

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

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
79-3021	10-24-79	Replaced scram pilot air header alarm switch
79-773	10-17-79	Shielded grounds for control cables of "B" M/G set
79-4869	10-19-79	Replaced strong backs to drywell door
79-4884	10-22-79	Repaired 1" gate valve, inlet to steam trap isolation
79-5017	10-22-79	Repaired HPCI suction pressure indicator
79-5035	10-22-79	Calibrated 2C RHR pump suction guage
79-4707	10-19-79	Replaced relay in LPRM downscale alarm
79-4382	10-18-79	Repaired leak in water surge tank pump
79-3969	10-21-79	Repaired RHR service water pump "D"
78-3178	10-1-79	Changed the control logic to RWCU system isolation valves 2G31, F001, F004
79-4320	10-1-79	Performed wiring changes to control panel logic for F457 valve per DCR 77-262
79-4879	10-12-79	Repaired HPCI steam line drain orifice
79-4878	10-12-79	Repaired leaking HPCI steam line drain line flange
79-4847	10-9-79	Removed south hatch cover from torus and replaced per HNP-2-6706

79-3259	9-4-79	Completed piping on RWCU cobalt deposition loop per DCR 2-78-205
79-4920	10-16-79	Insured that no ground exist on the high side of the A diesel generator
79-4921	10-16-79	Insured that no ground exist on the high side of the C diesel generator
79-4550	10-17-79	Repaired LPRM 0421 B
79-3391	10-17-79	Replaced bad detector in IRM 2B
79-4885	10-17-79	Replaced "A" IRM detector
79-5013	10-29-79	Repaired feedwater testable check valve
79-5029	10-28-79	Repaired RCIC steam supply isolation valve
79-5200	11-6-79	Repaired "C" RHR S/W pump
79-5027	11-6-79	Repaired PSW pump discharge check valve
79-4950	11-7-79	Repaired HPCI pump (seal water line to pump)
79-4942	11-6-79	Repaired HPCI torus suction valve