

**OPERATING DATA REPORT**

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

**OPERATING STATUS**

1. Unit Name: Hatch - 1
2. Reporting Period: September 1979
3. Licensed Thermal Power (MWt): 2436 MWt
4. Nameplate Rating (Gross MWe): 809.3 Gross 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): 864.3 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	720	6551	32855
12. Number Of Hours Reactor Was Critical	692.5	3313.5	24001.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	614.6	3083.3	22567.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1250835	6784835	46393092
17. Gross Electrical Energy Generated (MWH)	397410	2206070	14961580
18. Net Electrical Energy Generated (MWH)	378002	2086319	14210377
19. Unit Service Factor	85.4	47.1	68.7
20. Unit Availability Factor	85.4	47.1	68.7
21. Unit Capacity Factor (Using MDC Net)	68.7	41.7	56.6
22. Unit Capacity Factor (Using DER Net)	66.8	40.5	55.0
23. Unit Forced Outage Rate	13.3	10.1	15.7

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	_____	_____

1150 062  
 7910220 274

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH September 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	402	17	491
2	554	18	257
3	644	19	-18
4	671	20	346
5	404	21	676
6	619	22	704
7	715	23	671
8	309	24	752
9	-11	25	760
10	19	26	760
11	435	27	754
12	615	28	750
13	653	29	761
14	699	30	757
15	498	31	
16	106		

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)

1150 063

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH September

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
79-13	79-09-08	S	50:41	A	1		CF	PUMPXX	Off line due to inop RHRSW pumps
79-14	79-09-15	F	19:29	A	3		IA	VALVOP	Rx Scram TCVFC
79-15	79-09-18	S	35:15	A	1		XX	TRANSF	Shutdown to repair Alterrex System

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(9/77)

<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

POOR ORIGINAL

NARRATIVE REPORT  
UNIT I

September 8th	Shutdown to repair inop RHRSW pumps
September 10th	Generator tied to line 17:05 CST
September 15th	Rx Scram TCVFC due to Alterrex Problems
September 16th	Generator on line at 14:20 CST
September 18th	Shutdown to repair Alterrex System
September 20th	Generator on line at 04:06 CST

1150 065

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

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
78-4277	9-10-79	Installed seal between RWCU pump and motor
79-4699	9-6-79	Replaced all bushings and gaskets on RHR Service Water Pump "B"
79-4865	9-6-79	Replaced all bushings and gaskets on RHR Service Water Pump "1C"
79-5012	9-2-79	Investigated and repaired steam flow; feedwater flow recorder
79-4934	9-2-79	Repaired IRM "C"
79-2157	8-7-79	Installed conduit and pulled cable in RPS MG set "1A" per DCR 78-419
79-2158	8-7-79	Installed conduit and pulled cables in RPS Alternate Supply Class IE Breaker Panels per DCR 48-419
79-4046	8-24-79	Installed conduit and pulled cables in RPS Alternate Supply Class IE Breaker Panels per DCR 48-419
79-4067	8-24-79	Completed conduit installation and terminated cables for RPS Alternate Supply Class IE Breaker Panels per DCR 78-419
79-4617	8-13-79	Removed two under frequency relays from panel in warehouse and installed and calibrated in RPS MG Set Breaker Panels
79-4782	9-6-79	Installed new impellers and bushing in RHR Service Water Pump
79-4764	8-31-79	Repaired Core Spray Jockey Pump
79-4933	9-6-79	Repaired HPCI Vacuum Pump

1150 066

79-4929	8-31-79	Uncoupled the RCIC Turbine from pump for overspeed test, then coupled the RCIC Turbine back to pump
79-5021	9-2-79	Rod can not be selected on the Control Rod matrix per HNP-1-9402 for Control Rod Scram Time Testing. Investigated and repaired
79-5018	8-31-79	Replaced Unit 1 airlock door with a 3-hour rated door
79-4703	9-5-79	Repaired 4 hangers on East Wall of '58 elev. Rx building per DCR 1-7-187
79-727	8-13-79	Rerouted offgas drain lines per DCR 78-186
79-1302	8-15-79	Replaced offgas Drain Valves per DCR 78-248
79-4341	8-27-79	Wired new solenoids to offgas Drain valves to existing circuits per DCR 78-248
79-3992	9-25-79	Replaced defective Reactor Vessel Thermocouples
79-5448	9-16-79	Replaced limit switch and junction box cover on "C" outboard MSIV
79-5341	9-10-79	Checked low stops on Recirc. MG Set Scoop Tube
79-5374	9-21-79	Performed monthly electrical PM per procedure HNP-1-6220
79-4584	9-22-79	Investigated and repaired Control Rod Drive 46-43
79-4585	9-22-79	Investigated and repaired Control Rod Drive 30-39
79-4586	9-22-79	Investigated and repaired Control Rod Drive 22-39
79-4587	9-22-79	Investigated and repaired Control Rod Drive 38-43

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79-4588	9-28-79	Repaired control rod drive accumulator solenoid valve
79-5344	9-16-79	Rod Sequence Control; page test does not work at 50% rod density. Investigated and repaired
79-5097	9-19-79	Investigated why process computer receives no signal for LPRMs
79-5171	9-9-79	"1B" RBM is not working properly; investigated and repaired
79-5293	9-17-79	Repaired recirc flow units B and D
79-3683	9-28-79	Repaired RHR S/W strainer outlet valve
79-4813	9-17-79	Checked calibration for RHR S/W "B" Loop flow transmitter
79-4814	9-17-79	Checked calibration on RHR S/W "A" Loop flow transmitter
79-5304	9-11-79	Replaced RHR S/W Discharge Pressure Gauge on "B" Pump
79-5419	9-17-79	Repaired RHR Hx Bypass Valve "A" Loop indicator light
79-4901	9-9-79	Replaced oil in HPCI turbine
79-5024	9-6-79	Repaired HPCI Aux. oil pump
79-5054	9-9-79	Repaired HPCI turbine oil pump
79-1608	9-18-79	Repaired oil leak from gear reducer on trolley drive on refueling platform
79-3404	9-22-79	Replaced the main hoist joy lever on the refueling platform
79-5514	9-21-79	Repaired R/W flow to canal recorder

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79-5372	9-13-79	Repaired "Cooling Malfunction Bay C" alarm in the EHC cabinets
79-4294	9-19-79	Checked the validity of the calibration of instrumentation on attached list (SRM recorder, MSL leak detector, Topaz inverter)
79-4913	9-10-79	Adjusted main steam line hanger
79-5320	9-20-79	Repaired snubber MSH-30-oil leak
79-4996	9-17-79	RFPT 1A; repaired oil leaks on hydraulic control system
79-4874	9-14-79	Replaced 3 cells in R42-S005 DCR 79-216
79-5569	9-20-79	Performed battery chargers inspection
79-5244	9-11-79	Repaired N <sub>2</sub> makeup flow recorder
79-4499	9-27-79	Repaired motor M2, M3 Louvers in Gen. (D/G) room

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

**Edwin I. Hatch Nuclear Plant**



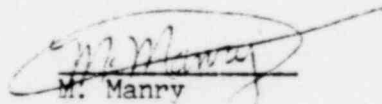
October 10, 1979  
PM-79-893

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

1150 070

**OPERATING DATA REPORT**

DOCKET NO. 50-366  
 DATE 10-1-79  
 COMPLETED BY G. L. Johnson  
 TELEPHONE 912-367-7781

**OPERATING STATUS**

1. Unit Name: Hatch 2
2. Reporting Period: September 1979
3. Licensed Thermal Power (MWt): 2436 MWt
4. Nameplate Rating (Gross MWe): 809.3 Gross 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

Notes

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

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9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_\_

10. Reasons For Restrictions, If Any: \_\_\_\_\_

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	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>624</u>	<u>624</u>
12. Number Of Hours Reactor Was Critical	<u>641.8</u>	<u>554.3</u>	<u>554.3</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>515.9</u>	<u>435.3</u>	<u>435.3</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>1054355</u>	<u>892611</u>	<u>892611</u>
17. Gross Electrical Energy Generated (MWH)	<u>340620</u>	<u>292500</u>	<u>292500</u>
18. Net Electrical Energy Generated (MWH)	<u>323398</u>	<u>277366</u>	<u>277366</u>
19. Unit Service Factor	<u>71.6</u>	<u>69.8</u>	<u>69.8</u>
20. Unit Availability Factor	<u>71.6</u>	<u>69.8</u>	<u>69.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>58.8</u>	<u>58.2</u>	<u>58.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>57.1</u>	<u>56.5</u>	<u>56.5</u>
23. Unit Forced Outage Rate	<u>24.0</u>	<u>25.3</u>	<u>25.3</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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

	Forecast	Achieved
26. Units In Test Status (Prior to Commercial Operation):		
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-366

UNIT Hatch 2

DATE 10-1-79

COMPLETED BY G. L. Johnson

TELEPHONE 912-367-7781

MONTH September 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>602</u>	17	<u>54</u>
2	<u>658</u>	18	<u>419</u>
3	<u>340</u>	19	<u>720</u>
4	<u>318</u>	20	<u>756</u>
5	<u>707</u>	21	<u>671</u>
6	<u>742</u>	22	<u>186</u>
7	<u>680</u>	23	<u>507</u>
8	<u>-2</u>	24	<u>764</u>
9	<u>-17</u>	25	<u>764</u>
10	<u>-18</u>	26	<u>772</u>
11	<u>-13</u>	27	<u>770</u>
12	<u>124</u>	28	<u>739</u>
13	<u>627</u>	29	<u>10</u>
14	<u>745</u>	30	<u>368</u>
15	<u>495</u>	31	<u></u>
16	<u>-17</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)

1150 072

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH September

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
79-21	79-09-03	F	15:23	B	3	N/A	1A	INSTRU	Rx Scram Turbine Trip on Low Vacuum
79-22	79-09-08	S	106:45	B	1	NA	HJ	XXXXXX	Shutdown to repair MSR Steam Leaks
79-23	79-09-15	S	7:32	B	N/A	N/A	ZZ	ZZZZZZ	Turbine Testing
79-24	79-09-15	F	40:43	B	3	NA	1A	VALVOP	Rx Scram TCV Fast Closure
79-25	79-09-22	S	13:00	B	1	NA	XX	TRANSF	Shutdown to repair Alterrex System.
79-26	79-09-29	S	27:52	B	1	NA	XX	XXXXXX	Shutdown to repair EHC Oil Leak

<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)

1150 073

POOR ORIGINAL

NARRATIVE REPORT  
UNIT 2

September 3rd	Rx Scram Turbine Trip on Low Vacuum
September 4th	Generator tied to line 0400 CST
September 8th	Shutdown to repair MSR Steam Leaks
September 12th	Generator tied to line 1315 CST
September 15th	Reduction due to Turbine Testing
September 15th	Rx Scram TCV Fast Closure
September 17th	Generator tied to line 1139 CST
September 22nd	Shutdown to repair Alterrex System
September 22nd	Generator tied to line 2350 CST
September 29th	Shutdown to repair EHC oil leak
September 30th	Generator tied to line 0714 CST

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

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
78-4486	9-12-79	LPCI meter; repaired frequency meter
79-1506	8-29-79	Installed pressure transducers in the Main Steam piping in Drywell
79-4211	9-5-79	Repaired Rod Block Monitor
79-4122	8-30-79	Recalibrated HPCI Turbine Temp. Recorder
79-2815	8-28-79	Repaired disc in check valve
79-3825	8-24-79	Repaired seals in Rx H <sub>2</sub> O Clean-up Pump 2B
79-3509	9-19-79	Replaced diaphragms in SRVDL pressure switches
79-3563	9-21-79	Repaired inboard MSIV "B"
79-3898	9-21-79	Negative ground on "B" SS battery recorded; investigated and repaired as needed
79-4347	9-21-79	Repaired indication light for inboard MSIV
79-4500	9-18-79	Repaired indication light for Primary Containment Isolation Check Valve
79-4509	9-21-79	Repaired bad pressure seal in main steam line drain valve
79-4252	9-21-79	Repaired reactor water sample inboard isolation valve
79-4379	9-21-79	Repaired reactor water sample inboard isolation valve
79-4388	9-21-79	Repaired IRM"F"
79-4501	9-21-79	Repaired IRM"F"

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79-4508	9-21-79	repaired IRM"E"
79-4154	9-7-79	repaired RHR SW pump 2D discharge pressure guage
79-4539	9-21-79	Calibrated jockey pump suction pressure guage
79-4540	9-21-79	Recalibrated jockey pump suction pressure guage
79-4153	9-18-79	Repaired HPCI steam line low pressure instrument isolation valve
79-4385	9-13-79	Removed agastat time delay relays which were installed per DCR 79-312 and replaced with instantaneous pickup relays
79-3490	9-11-79	Repaired RCIC isolation valve
79-2644	9-18-79	Installed stainless steel cotter pin per DCR 79-170 on refueling platform
79-4090	9-19-79	Disconnected temporary wires from Yarway column thermocouples and placed them in the junction box
79-3351	9-14-79	Repaired chemical waste sample pump B
79-3913	9-19-79	Revised mode switches and program logic in Radwaste Panel per DCR 79-314
79-3930	9-13-79	Repaired CBWRT to CPSA valve
79-4084	9-20-79	Made wiring changes to F384A control logic per DCR 79-341
79-4085	9-20-79	Made wiring changes to F538 control logic per DCR 79-315
79-4459	9-26-79	Repaired 2A diesel jacket coolant heater
79-3154	9-21-79	Repaired reaction chamber temperature control on post-LOCA H <sub>2</sub> recombiner

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