OPERATING DATA REPORT

DOCKET NO. 50-321
DATE 11-10-80
COMPLETED BY P. R. Underwood
TELEPHONE 912-367-7781

OPERATING STATUS

1. Unit Name: Hatch 1
2. Reporting Period: 10-80
3. Licensed Thermal Power (MWt): 2436
4. Nameplate Rating (Gross MWe): 809.3
5. Design Electrical Rating (Net MWe): 777.3
6. Maximum Dependable Capacity (Gross MWe): 796.3
7. Maximum Dependable Capacity (Net MWe): 764.3
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	745	7320	42384
12. Number Of Hours Reactor Was Critical	715.1	6308.3	32106.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	676.0	5929.1	30097.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1375555	12964362	63317397
17. Gross Electrical Energy Generated (MWH)	438900	4223730	20494670
18. Net Electrical Energy Generated (MWH)	417932	4024826	19486759
19. Unit Service Factor	90.7	79.6	71.0
20. Unit Availability Factor	90.7	79.6	71.0
21. Unit Capacity Factor (Using MDC Net)	73.4	71.9	60.2
22. Unit Capacity Factor (Using DER Net)	72.2	70.7	59.1
23. Unit Forced Outage Rate	9.3	20.4	20.7

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		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-321
UNIT Hatch 1
DATE 11-10-80
COMPLETED BY P. R. Underwood
TELEPHONE 912-367-7781

MONTH 10-80

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	745	17	299
2	742	18	564
3	745	19	567
4	751	20	571
5	757	21	573
6	751	22	572
7	750	23	570
8	749	24	569
9	744	25	561
10	741	26	600
11	730	27	573
12	14	28	594
13	450	29	433
14	555	30	476
15	82	31	604
16	-17		

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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
UNIT NAME Hatch #1
DATE 11-10-80
COMPLETED BY P. R. Hedgepeth
TELEPHONE 912-367-7781

REPORT MONTH 10-80

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
54	801012	F	20.9	A	3	NA	HA	VALVEX	Rx scram due to TSV closure which was caused by a power load unbalance on main generator
55	801012	F	17.1	A	5	NA	HA	VALVEX	Unit on startup ramp from above shut-down #80-54
56	801012	F	33.5	F	5	NA	ZZ	ZZZZZZ	Management limitation of 75% thermal power
57	801015	F	7.1	A	5	NA	HA	GENERA	Reduction of load due to generator ground fault alarm
58	80-1015	F	45.5	A	1	NA	HA	GENERA	Unit off line to investigate ground fault alarm in #80-57
59	801016	F	19.4	A	5	NA	HA	GENERA	Unit on startup ramp from above shut-down, #80-58

1
F: Forced
S: Scheduled

2
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)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuations
5-Load Reduction
9-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

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
UNIT NAME Hatch 1
DATE 11-10-80
COMPLETED BY B. J. Underwood
TELEPHONE 912-367-7781

REPORT MONTH 10-80

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
60	801018	F	166.8	F	5	NA	ZZ	ZZZZZZ	Management limitation of 75% thermal power
61	801024	F	5.8	D	5	NA	HE	TURBIN	Reduced load to perform weekly turbine test
62	801025	F	107	F	5	NA	ZZ	ZZZZZZ	Management limitation of 75% thermal power
63	801029	F	5.4	A	5	NA	HA	GENERA	Reduced load because of generator ground fault alarm
64	801029	F	2.6	A	1	NA	HA	GENERA	Unit off line to investigate ground fault alarm in #80-63
65	801029	F	12.2	A	5	NA	HA	GENERA	Unit on startup ramp from above shut-down #80-64

1
F: Forced
S: Scheduled

2
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)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuations
5-Load Reduction
9-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

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
UNIT NAME Hatch 1
DATE 11-10-80
COMPLETED BY P. H. Hudgins
TELEPHONE 912-367-7781

REPORT MONTH 10-80

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
66	801030	F	37.5	F	5	NA	ZZ	ZZZZZZ	Management limitation of 80% thermal power

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-Continuations
5-Load Reduction
9-Other (Explain)

4
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5
Exhibit I - Same Source

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NARRATIVE REPORT
UNIT 1

Oct. 12th	At 00:33, Rx scram due to TSV closure which was caused by a power load unbalance on main generator
Oct. 12th	Unit on startup ramp from above shutdown; Rx critical at 09:38 and generator on line at 21:26; unit returned to management limitation at 14:30 on 801013
Oct. 13th	Unit limited to 75% thermal power by management
Oct. 15th	Reduced load because of generator ground fault alarm
Oct. 15th	Unit off line at 07:06 to investigate generator ground fault alarm; Rx in H/S at 17:15
Oct. 16th	Unit on startup ramp from above shutdown; Rx critical at 14:05 and generator on line at 04:38 on 801017; unit returned to management limitation at 24:00 pn 801017
Oct. 18th	Unit limited to 75% thermal power by management
Oct. 24th	At 22:45 reduced load to perform weekly turbine test; returned to management limitation at 04:30 on 801025
Oct. 25th	Unit limited to 75% thermal power by management
Oct. 29th	At 14:30 reduced load because of generator ground fault alarm
Oct. 29th	At 19:52 unit off line to investigate generator ground fault alarm; unit returned on line at 22:27
Oct. 29th	Unit on startup ramp from above shutdown; unit returned to management limitation at 10:30
Oct 30th	Unit limited to 80% thermal power by management

There was no single release of radioactivity or single radiation exposure which accounts for more than 10% of the allowable annual values during October of 1980.

HATCH 1 SAFETY - RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR OCTOBER 1980

NUMBER	DATE COMPLETED	DESCRIPTION
80-5054	10-15-80	Machined [illegible] of head shaft on P41-C00[illegible] per letter from Johnston pump
80-4768	10-15-80	Repaired P41-C001A pump internals
80-4128	10-9-80	Repaired railroad airlock doors. Indicating lights were not operating properly
80-4963	9-26-80	Repaired HPCI minimum flow valve E41-F012; valve operators were not functioning properly due to binding contact
80-3868	10-21-80	Replaced N62-N009A&B analyzer vacuum regulator per DCR 80-207

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

Edwin I. Hatch Nuclear Plant

Georgia Power
the southern electric system

November 10, 1980
PM-80-1096

PLANT E. I. HATCH
NRC Monthly Operating Report

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

Dear Sir:

Per Tech Specs section 6.9.1.6 please find attached the NRC Monthly Operating Report for Hatch Unit 2, Locket #50-366.

M. Manry
Plant Manager

CLC/pebc

OPERATING DATA REPORT

DOCKET NO. 50-366
DATE 11-10-80
COMPLETED BY P. R. Underwood
TELEPHONE 912-367-7781

OPERATING STATUS

1. Unit Name: Hatch 2
2. Reporting Period: 10-80
3. Licensed Thermal Power (MWt): 2436
4. Nameplate Rating (Gross MWe): 817.0
5. Design Electrical Rating (Net MWe): 784.0
6. Maximum Dependable Capacity (Gross MWe): 805.7
7. Maximum Dependable Capacity (Net MWe): 772.7
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes Cumulative totals in numbers 17. and 18. reflect an adjustment of 130 MWe. This adjustment is due to a typographical error in 09-80 report.

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	745	7320	10153
12. Number Of Hours Reactor Was Critical	717.1	5567.2	8230.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	697.6	5271.0	7685.5
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1494254	11601014	17095076
17. Gross Electrical Energy Generated (MWH)	483290	3830650	5666610
18. Net Electrical Energy Generated (MWH)	461051	3650398	5407535
19. Unit Service Factor	93.6	72.0	75.7
20. Unit Availability Factor	93.6	72.0	75.7
21. Unit Capacity Factor (Using MDC Net)	80.1	64.5	68.9
22. Unit Capacity Factor (Using DER Net)	78.9	63.6	67.9
23. Unit Forced Outage Rate	6.4	12.4	11.8

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		

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-366
UNIT Hatch 2
DATE 11-10-80
COMPLETED BY P. R. Underwood
TELEPHONE 912-367-7781

MONTH 10-80

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	106	17	694
2	548	18	665
3	605	19	745
4	741	20	747
5	768	21	746
6	771	22	673
7	780	23	510
8	754	24	8
9	118	25	474
10	349	26	761
11	524	27	706
12	709	28	737
13	740	29	731
14	678	30	730
15	719	31	670
16	709		

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)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-366
UNIT NAME Hatch 2
DATE 11-10-80
COMPLETED BY P. H. Hubbard
TELEPHONE 912-367-7781

REPORT MONTH 10-80

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
40	801001	F	10.5	A	5	NA	HC	HTEXCH	Unit on startup ramp from previous shutdown #80-38
41	801001	F	11.1	A	1	NA	HA	VLAVEX	Rx scram due to TSV closure which tripped turbine on HWL
42	801001	F	13.4	A	5	NA	HA	VALVEX	Unit on startup ramp from above shutdown #80-41
43	801003	F	15.5	D	5	NA	RB	CONROD	Reduced load in order to perform a rod pattern adjustment
44	801008	F	6.3	A	5	NA	CH	HTEXCH	Reduction of load because of problems with feedwater heaters
45	8001009	F	15.7	A	1	NA	HH	PUMPXX	Rx scram due to condenser booster pump trip on low suction which tripped the RFPs

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-Continuations
5-Load Reduction
9-Other (Explain)

4
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5
Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-366
UNIT NAME Hatch 2
DATE [illegible]
COMPLETED BY [illegible]
TELEPHONE 912-367-7781

REPORT MONTH 10-80

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
46	801009	F	49.8	A	5	NA	HC	HTEXCH	Unit on startup ramp from above shutdown #80-46
47	801017	F	8.6	D	5	NA	RB	CONROD	Reduced load in order to perform a rod pattern adjustment
48	801022	F	14.6	A	5	NA	HC	HTEXCH	Reduced load to investigate possible tube failure in condenser
49	801023	F	5.6	A	5	NA	HF	HTEXCH	Reduced load to repair leak in waterbox
50	801024	F	20.6	A	3	NA	HF	HTEXCH	Unit off line and shutdown to repair leak in waterbox
51	801024	F	23.6	A	5	NA	HF	HTEXCH	Unit on startup ramp from above shutdown #80-50

1
F: Forced
S: Scheduled

2
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)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuations
5-Load Reduction
9-Other (Explain)

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5
Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-366
UNIT NAME Hatch 2
DATE 11-10-80
COMPLETED BY P. W. Underwood
TELEPHONE 912-367-7781

REPORT MONTH 10-80

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
52	801031	S	5.3	C	5	NA	ZZ	ZZZZZZ	Reduced load to shutdown for refuel-outage

1
F: Forced
S: Scheduled

2
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)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuations
5-Load Reduction
9-Other (Explain)

4
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5
Exhibit I - Same Source

(9/77)

NARRATIVE REPORT
UNIT 2

Oct. 1st	Unit on startup ramp from previous shutdown, #80-38;
Oct. 1st	At 10:30 Rx scram due to TSV closure which tripped the turbine on HWL
Oct 1st	Unit on startup ramp from above shutdown; Rx critical at 16:23 and generator on line at 21:37; unit returned to 80% rated conditions at 11:00 on 801002
Oct 3rd	Reduced load in order to perform a rod pattern adjustment
Oct. 8th	Reduced load at 21:45 because of problems with the FWHs
Oct. 9th	At 04:03, Rx scram due to condenser booster pump trip on low suction which tripped the RFPs
Oct. 9th	Unit on startup ramp from above shutdown; Rx critical at 13:18 and generator on line at 19:45; unit returned to 80% conditions at 21:30 on 801011
Oct. 17th	Reduced load in order to perform a rod pattern adjustment
Oct. 22nd	Reduced load in order to investigate possible tube failure in condenser; no leak found; unit returned to 80% conditions at 10:00 on 801023
Oct. 23rd	Reduced load to repair leak in waterbox
Oct. 24th	Unit off line at 01:07 in order to repair leak in waterbox; Rx in H/S at 02:15
Oct. 24th	Unit on startup ramp from above shutdown; Rx critical at 15:00 and generator on line at 21:40; unit returned to 80% conditions at 21:15 on 801025
Oct. 31st	Reduced load going to shutdown for a scheduled refueling outage

There was no single release of radioactivity or single radiation exposure which accounts for more than 10% of the allowable annual values during October of 1980.

HATCH 2 SAFETY - RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR OCTOBER 19[illegible]

NUMBER	DATE COMPLETED	DESCRIPTION
80-4252	10-27-80	RHR/SW pump seal water line had developed leak; placed line back in proper fitting and tightened to stop leak
80-4177	10-23-80	IRM/APRM recorder motor and bad amplifiers were replaced to place recorder back in service
80-4182	10-24-80	Repaired PSW Div II pressure indicator; replaced output transmitter and calibrated
80-4129	10-24-80	Replaced alarm point card and white bulbs in the turbine oil tank level hi-low alarm; alarm lights had been found burnt out
80-4178	10-22-80	High flow d/w floor drain sump annunciator was not functioning properly. Replaced bad alarm card and verified proper operation
80-4139	10-23-80	High flow d/w floor sump annunciator would not [illegible] properly; replaced point card and verified operation
80-4058	10-20-80	Chemical waste sample tank "A" discharge valve to floor drain demin was found to be stuck and not working proper; repaired valve and verified operation
80-3966	10-20-80	Suspected D/G "2A" jacket coolant temp low annun. lights were out; however, upon investigation they were functioning properly
80-3325	10-20-80	Replaced nitrogen supply storage tank safety relief valve because previous valve was found lifted
80-4002	10-13-80	Repaired loose connection on N11-R602B; Loose connection was causing erratic readings

80-3951	10-15-80	Calibrated H11-P601 because instrument was abnormally alarming
80-3948	10-14-80	Main steam 3rd stg. SJAE "A" flow low alarm was not testing properly; replaced point card and verified operation
80-3947	10-15-80	Control bldg after cooler B001A disch. temp. high alarm would not reset; found card not making good contact; repositioned card ad verified alarm operations
80-2952	10-11-80	Valve T48-F323J failed to open properly during test; replaced solenoid and air line tubing
80-3632	10-13-80	Calibrated containment H_2O_2 analyzer and verified operation
80-3874	10-13-80	Calibrated RWCU "B" dP guage
80-3847	10-13-80	2B RWCU pump was found blowing steam and water; pump was disassembled and the bearing and mechanical seals were replaced; pump was rebuilt and placed back in service
80-2864	10-9-80	Adjusted torque limit switch on main steam line drain MOV
80-2770	10-7-80	Replaced lead and lag switch on motor starter for reclaim pump; verified pump operation
80-3658	10-4-80	Replaced 1st level multiplexer card in "A" rod block monitor; monitor had been erratically going inop; verified operation
80-3935	10-8-80	Replaced alarm card on gen "B" aux lockout alarm; verified operation
80-3857	10-3-80	Found valve on HCU-26-51 leaking; replaced valve
80-3330	10-4-80	Repaired fuel pool gate seal; replaced them and installed a check valve on the air supply to them

80-3824	10-7-80	Inspected alignment of diesel generator "A" per Fairbanks Morse Company
80-3825	10-7-80	Inspected alignment of diesel generator "C" per Fairbanks Morse Company
80-1266	9-29-80	Performed wiring change to RCIC vacuum and condensate pump motors per DCR 80-26
80-3835	9-30-80	Added 2 additional supports and removed 1 existing support to/from PSW Div I supply piping per DCR 80-342
80-4060	10-20-80	Removed safety relief valve to verify setpoint; replaced valve after check
80-4141	10-28-80	Removed valve operator and tightened face plate to alleviate looseness in precoat inlet isolation valve
80-4202	10-26-80	Replaced limit switches on "E" valve on "A" RWCU demin
80-4199	10-29-80	Found condensate flush valve for WSPS "B" leaking by; replaced set screw and repositioned stem so valve would set properly
80-4224	10-29-80	Valve T48-F324 O-rings were repaired; cleaned O-ring surfaces and replaced O-Rings
80-2852	10-30-80	Replaced 2 gate driver cards in LPCI inverter