

NARRATIVE REPORT  
UNIT 1

May 1st	0000	Unit operating at rated power. No major problems recorded.
May 9th	0000	Unit still operating at rated power; CMWT 2428, 800 GMWe.
May 10th	0000	Unit operating at rated CMWT of 2435. No major problems.
	2305	Began reducing load for Turbine Testing and MSIV Testing.
	2341	MSIV exercise (HNP-1-3119) in progress. load at 650 MWe.
	2350	Recirc Pump "A" tripped during MSIV exercises. Reason not yet determined.
May 11th	0000	Reducing load per control rod insertion. Reason for Recirc Pump "A" trip still has not been determined.
	0642	Unit at 42% CMWT and 320 MWe.
	1155	Commencing with power ascension by pulling control rods.
	1430	Unit now at 78% CMWT and approximately 600 MWe. Still increasing load via recirc.
	2230	Unit now at 88% CMWT and 710 MWe. Load increases are being made by increment increases in recirc. No major problems observed.
May 12th	1430	CMWT now at 2356. Unit operating at 770 MWe and still no major problems have been observed..
	2000	Unit back to rated Maximum Dependable Capacity.

NARRATIVE REPORT  
UNIT 1

May 15th	0000	Unit at rated power with no significant problems.
	2035	Water is falling from control room ceiling above ATTS panel due to Fire Water Line break at Control Room exhaust filter train. The water in panel is causing ECCS/RPS Div. II Trouble Alarm.
	2050	Shorting occurring in panels due to moisture on electrical contacts.
	2115	Beginning to reduce load per HNP-1-1005.
	2122	Mode switched to shutdown because 1B21-F013A valve will not close. Problems with valve closing is a result of water in ATTS panel.
May 17th	1813	Reactor critical and startup in progress.
May 18th	0011	Mode switched to run and beginning to pull rods.
	1728	Unit tied back on line following Manual Scram as result of water in ATTS panel.
May 19th	0000	Unit at 320 MWe with no major problems. Scram recovery in progress.
May 20th	0200	Unit back to rated Maximum Dependable Capacity.
May 26th	0022	Load reduced to 739 MWe for weekly turbine Testing.
	0222	Turbine testing completed. Unit back to rated Maximum Dependable capacity for duration of month.
May 31st	2400	Unit operating at 789 GMWe and 2405 CMWT. No major problems.

NARRATIVE REPORT  
UNIT 2

May 1st	0000	Unit in Refueling Outage as of April 5, 1985.
May 22	1340	Reactor Critical. Startup from Refueling Outage now in progress.
May 24th	1233	Reactor scram because of MSIV's drifting closed while Mode Switch in run position. Generator has not yet been tied to line.
	1845	Reactor again critical and ready for startup.
May 25th	0546	Generator tied to line. Normal startup testing in progress. No major problems observed.
	0909	Turbine tripped during overspeed testing.
	0950	Turbine testing completed and turbine generator tied back to line. Proceeding with Normal startup.
	2400	Load being held at approximately 30% during startup testing.
May 26th	2230	Unit now at 1604 CMWT and operating at 518 MWe. Beginning ramp up towards rated power.
May 27th	1430	Unit now at 1966 CMWT and operating at 633 MWe. No major problems have been observed.
May 28th	1700	Unit back to rated Maximum Dependable Capacity (MDC) following normal startup from Refueling Outage.
May 31st	2400	Plant operating at rated power. No major operating problems observed.

HATCH 1 SAFETY-RELATED MAINTENANCE WORK ORDERS  
TO BE REPORTED FOR MAY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
82-6697	02-09-83	Modified existing pipe support E21-CSH-44 on Torus attached piping. Ref. DCR 82-75.
82-7290	02-08-83	Installed hanger E41-221A-H1 and rerouted 2" diameter HPCI Turbine Vacuum Breaker Line. Ref: DCR 82-75, Rev.2
82-7663	01-24-83	Reroute Torus liquid level indicator piping and installed hanger T48-206B-H1. Ref: DCR 82-75
82-7664	01-24-83	Rerouted and installed Torus liquid level indicator piping to Torus penetration x-206C on 112 Elev. (MPL # 1T48-G001) Ref: 82-75
83-4119	05-23-83	Fabricated and installed cable tray support arms (1R35) into Unit 1 Cable Spread Room at Elevation 147'-0". Ref: DCR 83-53
84-3763	12-26-84	Strengthened Torus attached piping per new calculated loads by modifying, removing and adding pipe supports on E11 system per WPS 82-75-M011. Ref: DCR 82-75
84-3940	12-26-84	Strengthened Torus attached piping per new calculated loads by modifying, deleting and adding pipe supports on B21 system per WPS 82-75-M008. Ref. DCR 82-75

HATCH 1 SAFETY-RELATED MAINTENANCE WORK ORDERS  
TO BE REPORTED FOR MAY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-4312	12-26-84	Strengthened Torus attached piping per new calculated loads by modifying and adding pipe supports on E11 system per WPS 82-75-M007. Ref. DCR 82-75
84-4609	12-26-84	Strengthened Torus attached piping per new calculated loads by modifying, deleting and adding supports on E11, E21 and E41 systems per WPS 82-75-M017. Ref.: DCR 82-75
84-4610	12-27-85	Strengthened Torus attached piping per new calculated loads by modifying, deleting, and adding supports on B21 system per WPS 82-75-M014. Ref.: DCR 82-75
84-4648	12-26-85	Strengthened Torus attached piping per new calculated loads by modifying, deleting, and adding supports on E11, E21 and E41 systems per WPS 82-75-M016. Ref.: DCR 82-75
84-4963	12-27-84	Strengthened Torus attached piping per new calculated loads by modifying, deleting, and adding supports on E11, E21 and E41 systems per WPS 82-75-M023. Ref.: DCR 82-75
84-5047	12-27-84	Strengthened Torus attached piping per new calculated loads by modifying and adding pipe supports on E41 system per WPS 82-75-M011. Ref.: DCR 82-75

84-5729	10-24-84	Relocated level switches E41-N002, E41-N003 and E51-N060. Removed and reinstalled heat tracing on piping to level switches per WPS 81-175-E001. Also reworked associated conduit and pulled new cables per WPS 81-175-C002 and 81-175-C003. Ref.: DCR 81-175
84-6786	12-04-84	Modified existing cable tray RDA4-01 to resolve interference with new fire protection riser added to Reactor Bldg. Sprinkler System (T43). Ref.: DCR 83-219
84-7578	12-26-84	Strengthened Torus attached piping per calculated loading by modifying pipe supports on P41 system. Ref.: DCR 82-75
84-7845	04-18-85	Relocated existing conduit support to clear new fire protection riser on Reactor Bldg. Sprinkler System (T43) per WPS 83-219-E002. Ref.: DCR 83-219
82-7653	01-26-83	Rerouted and installed piping to Torus penetration X-206A per sketch SM-82-75-87. Also installed hangers T48-206A-H1, H2, H3 per sketch SM-82-75-87. Ref. DCR 82-75
82-7656	04-29-85	Rerouted Torus liquid level indicator piping and installed hanger T48-206D-H1 per sketch SM-82-75-75. Ref. DCR 82-75

HATCH 2 SAFETY-RELATED MAINTENANCE WORK ORDERS  
TO BE REPORTED FOR MAY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
84-4540	04-17-85	Replaced the motor/actuator components on HPCI Bypass Isolation Valve 2E41-F008 to meet procedure requirements for opening and closing time. Installed new motor pinion gear, worm gear assembly and limiter plate per WPS 81-177-E009. Ref: DCR 81-177
85-839	4-10-85	Retagged and spared 4 cables between Control Room panels on the Analog Transmitter Trip System (2A70) per WPS 81-139-E035. Ref.: DCR 81-139, Rev. 1.
85-1315	04-25-85	Upgraded normally energized and selected normally de-energized HFA Relays in the 2A71 system in Panel 2H11-P603 to Century Series relays per WPS 82-171-E023. Ref: DCR 82-171.
84-1365	04-24-85	Upgraded normally energized HFA relays in 2R20B system in Panel 2H11-P652 to century series relays per WPS 82-171-E034. Ref: DCR 82-171
85-1367	04-17-85	Removed cylinder relief valves from Diesel Generator 2A and replaced with plugs per WPS 83-123-M004. Ref: DCR 83-123
85-1563	05-11-85	Installed time delay relays 2B21C-K753A/B, -K754A/B, -K755A/B and -K756A/B in panel 2H11-P628 and wired into the ADS logic (2B231) Ref: DCR 84-201
85-1818	05-03-85	Modified raceway supports on R33 system at 130' elevation of Control Bldg. per WPS 84-052-E001. Ref: DCR 84-052

HATCH 2 SAFETY-RELATED MAINTENANCE WORK ORDERS  
TO BE REPORTED FOR MAY 1985

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
85-1976	4-30-85	Removed potentiometers and cables as well as GETAR components used for Reactor Recirc Startup Testing. Ref.: DCR 84-232
85-2044	05-10-85	Disconnected tubing from 2B31-N018A&B and installed Swagelok cap of compression type at each tube end. Work was performed on Analog Transmitter Trip System (2A70) Ref: DCR 81-139
85-842	04-29-85	Relocated instrument grounding cables from GB-1 & GB-2 to GB-3 & GB-4 in ATTS Panels (2A70) H11-P022, -P924, -P926 and -P928 per WPS 81-139-T077. Ref. DCR 81-139 Rev. 1
85-956	04-25-85	Replaced Transmitter 2E11-N002A & B and scales for 2E11-R600A&B on 2A70 system. Ref.: DCR 81-139, Rev. 1



# OPERATING DATA REPORT

DOCKET NO. 50-321  
 DATE 06-10-85  
 COMPLETED BY: Michael G. McBay  
 TELEPHONE (912) 367-7781 x. 203

## OPERATING STATUS

### Notes

1. Unit Name: E. I. Hatch Nuclear Plant Unit 1
2. Reporting Period: 05-85
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): 801.2
7. Maximum Dependable Capacity (Net MWe): 752.2
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	744	3624	8251
12. Number of Hours Reactor was Critical	699.2	3054.0	58217.
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.
14. Hours Generator On-Line	675.9	2881.5	54749.
15. Unit Reserve Shutdown Hours	0.0	0.0	0.
16. Gross Thermal Energy Generated (MWH)	1592808	6386071	11575521
17. Gross Electrical Energy Generated (MWH)	522200	2100900	3735660
18. Net Electrical Energy Generated (MWH)	499320	2004720	3546250
19. Unit Service Factor	90.8	79.5	66.
20. Unit Availability Factor	90.8	79.5	66.
21. Unit Capacity Factor (Using MDC Net)	89.2	73.5	57.
22. Unit Capacity Factor (Using DER Net)	86.3	71.2	55.
23. Unit Forced Outage Rate	9.2	13.1	17.
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shutdown 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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-321  
 DATE: 06-10-85  
 COMPLETED BY: Michael G. McBay  
 TELEPHONE (912) 367-7781 x. 203

MONTH 05-85

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

1	766
2	768
3	765
4	775
5	772
6	771
7	765
8	767
9	770
10	763
11	469
12	730
13	765
14	766
15	678
16	-18

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

17	-16
18	34
19	588
20	758
21	761
22	758
23	757
24	765
25	767
26	765
27	764
28	762
29	760
30	756
31	756

(9/77)

# OPERATING DATA REPORT

DOCKET NO. 50-366  
 DATE 06-10-85  
 COMPLETED BY: Michael G. McBay  
 TELEPHONE (912) 367-7781 x 203

## OPERATING STATUS

### Notes

1. Unit Name: E. I. Hatch Nuclear Plant Unit 2
2. Reporting Period: 05-85
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): 803.9
7. Maximum Dependable Capacity (Net MWe): 747.9
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	744	3623	50160
12. Number of Hours Reactor was Critical	220.1	2420.9	32600.9
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	161.6	2335.4	30959.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	316368	5399256	66600838
17. Gross Electrical Energy Generated (MWH)	101010	1802770	21962250
18. Net Electrical Energy Generated (MWH)	92288	1719758	20882207
19. Unit Service Factor	21.7	64.5	61.7
20. Unit Availability Factor	21.7	64.5	61.7
21. Unit Capacity Factor (Using MDC Net)	16.6	63.5	55.7
22. Unit Capacity Factor (Using DER Net)	15.8	60.5	53.1
23. Unit Forced Outage Rate	0.0	4.2	12.2

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

25. If Shutdown 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

# AVERAGE DAILY NET POWER LEVEL

DOCKET NO. 50-366  
 DATE: 06-10-85  
 COMPLETED BY: Michael G. McBay  
 TELEPHONE (912) 367-7781 x 203

MONTH 05-85

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

1	-5
2	-6
3	-6
4	-5
5	-4
6	-5
7	-5
8	-6
9	-6
10	-5
11	-5
12	-6
13	-6
14	-6
15	-6
16	-6

DAY AVERAGE DAILY POWER LEVEL  
 (MWe-Net)

17	-6
18	-7
19	-7
20	-6
21	-6
22	-8
23	-16
24	-20
25	99
26	288
27	598
28	721
29	767
30	769
31	767

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# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1985

DOCKET NO. 50-351  
 UNIT NAME Hatch 1  
 DATE June 6, 1985  
 COMPLETED BY M. G. McBay  
 TELEPHONE 367-7851 x 2882

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
85-42	05-10-85	S	0.8	B	5	N/A	HA	TURBIN	Weekly Turbine Testing
85-43	05-10-85	F	44.2	A	5	N/A	CB	PUMPXX	Recirc. 'A' Pump Trip
85-44	05-15-85	F	68:1	G	2	1-85-18	AB	XXXXXX	SRV Valve stuck open as result of maintenance error. Crane operator was responsible for disrupting deluge gauge on Fire Protection system which leaked water into Control Room and ATTS panels.
85-4	05-18-85	S	32.5	B	5	N/A	AB	XXXXXX	Recovery from above scram. Ramping to rated power.

<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-Continuations  
 5-Load Reduction  
 9-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

# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May 1985

DOCKET NO. 50-366  
 UNIT NAME Hatch 2  
 DATE June 6, 1985  
 COMPLETED BY M. G. McBay  
 TELEPHONE 367-7851 x 2882

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
85-27	5-01-85	S	581.8	C	2	N/A	RC	FUELXX	Unit Refueling Outage. (Began on April 5, 1985.)
85-28	5-25-85	S	3.4	B	5	N/A	RC	FUELXX	Normal Startup from Unit Refueling Outage.
85-29	5-25-85	S	0.7	B	5	N/A	HA	TURBIN	Turbine trip during Turbine overspeed testing.
85-30	5-25-85	S	79.2	B	5	N/A	RC	FUELXX	Startup following Turbine Overspeed Testing. Ramping to rated 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 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5 Exhibit I - Same Source

Georgia Power Company  
Post Office Box 439  
Baxley, Georgia 31513  
Telephone 912 357-7761  
912 537-9444



Edwin I. Hatch Nuclear Plant

June 6, 1985  
GM-85-580

PLANT E. I. HATCH  
NRC Monthly Operating Report

Director  
Office of Management and Program Analysis  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Sir:

Per Tech Specs section 6.9.1.6 please find attached the NRC Monthly Operating Report for Hatch Unit 1, Docket #50-321, and for Hatch Unit 2, Docket #50-366.

*for don [unclear] for DRG*  
HCN/CTJ/GAG/EZW/DRG/jph  
*for CTJ*

*Tom Greene*  
\_\_\_\_\_  
H. C. Nix  
General Manager

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