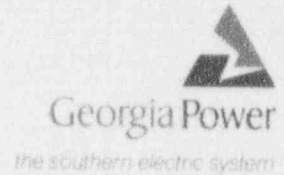


Georgia Power Company  
40 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, Alabama 35201  
Telephone 205 877-7279

J. T. Beckham, Jr.  
Vice President - Nuclear  
Hatch Project



April 12, 1994

Docket Nos. 50-321  
50-366

HL-4561  
000005

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Edwin I. Hatch Nuclear Plant  
Monthly Operating Reports

Gentlemen:

Enclosed are the March 1994 Monthly Operating Reports for Edwin I. Hatch Nuclear Plant - Unit 1, Docket No. 50-321, and Unit 2, Docket No. 50-366. These reports are submitted in accordance with the requirements of Technical Specification 6.9.1.10.

Sincerely,

J. T. Beckham, Jr.

SRP/sp

Enclosures:

1. March Operating Report for Plant Hatch - Unit 1
2. March Operating Report for Plant Hatch - Unit 2

c: (See next page.)

JE24

U.S. Nuclear Regulatory Commission  
April 12, 1994

Page 2

c: Georgia Power Company  
Mr. H. L. Sumner, Nuclear Plant General Manager  
NORMS

U.S. Nuclear Regulatory Commission, Washington, D.C.  
Mr. K. Jabbour, Licensing Project Manager - Hatch

U.S. Nuclear Regulatory Commission, Region II  
Mr. S. D. Ebnetter, Regional Administrator  
Mr. L. D. Wert, Senior Resident Inspector - Hatch

Utility Data Institute, Inc.  
Mr. Fred Yost, Director - Research Services

**Enclosure 1**

Plant Hatch Unit 1  
*Monthly Operating Report*  
March 1994

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: APRIL 6, 1994

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

MARCH 1 0000 Shift continued to maintain rated thermal power.

MARCH 13 0035 Shift began reducing load to approximately 600 GMWe to perform Turbine Control Valve Testing, Turbine Bypass Valve Testing, and a Control Rod Sequence Exchange.

MARCH 13 1234 Shift began ascension to rated thermal power.

MARCH 13 1432 Rated thermal power was attained.

MARCH 25 2100 Shift reduced load to approximately 600 GMWe when Plant Service Water to the Turbine Building isolated. The isolation occurred when a LOCA signal was inadvertently generated during the performance of an Analog Transmitter Trip System surveillance.

MARCH 25 2338 Shift began ascension to rated thermal power.

MARCH 26 0210 Rated thermal power was attained.

MARCH 29 0101 A loss of Main Generator field excitation led to a load rejection by Turbine-Generator System and resulted in an automatic reactor shutdown.

MARCH 31 1402 Shift began withdrawing control rods for unit startup.

MARCH 31 1808 Shift brought the reactor critical.

MARCH 31 2400 Shift continued with unit startup activities.

OPERATING DATA REPORT

DOCKET NO.: 50-321  
 DATE: APRIL 6, 1994  
 COMPLETED BY: R. M. BEARD  
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

- |   |                        |
|---|------------------------|
| 1. UNIT NAME:   | E. I. HATCH - UNIT ONE |
| 2. REPORT PERIOD:   | MARCH 1994             |
| 3. LICENSED THERMAL POWER (MWt):  | 2436                   |
| 4. NAMEPLATE RATING (GROSS MWe):  | 850                    |
| 5. DESIGN ELECTRICAL RATING (NET MWe):  | 776.3                  |
| 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe):   | 774                    |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):   | 741                    |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS<br>(ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: | NO CHANGES             |
| 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWe):   | NO RESTRICTIONS        |
| 10. REASONS FOR RESTRICTION, IF ANY:  | N/A                    |

	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	744.0	2160	159959
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	678.9	2094.9	120098.3
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	673.0	2089.0	115045.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	1630330	5071702	258180236
17. GROSS ELECTRICAL ENERGY GENERATED (MwHe):	523440	1636030	82980360
18. NET ELECTRICAL ENERGY GENERATED (MwHe):	500216	1566755	78957249
19. UNIT SERVICE FACTOR:	90.5%	96.7%	71.9%
20. UNIT AVAILABILITY FACTOR:	90.5%	96.7%	71.9%
21. UNIT CAPACITY FACTOR (USING MDC NET):	90.7%	97.9%	65.9%
22. UNIT CAPACITY FACTOR (USING DER NET):	86.6%	93.4%	63.3%
23. UNIT FORCED OUTAGE RATE:	9.5%	3.3%	11.8%
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	54 Day Refueling Outage tentatively scheduled for September 21, 1994.		
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	Generator on line April 1, 1994.		
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	N/A		

PLANT E. I. HATCH - UNIT ONE

AVERAGE DAILY POWER LEVEL

MARCH 1994

DOCKET NO.: 50-321

DATE: APRIL 6, 1994

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1 .....	749
2 .....	749
3 .....	755
4 .....	753
5 .....	753
6 .....	752
7 .....	748
8 .....	747
9 .....	743
10 .....	750
11 .....	759
12 .....	755
13 .....	671
14 .....	752
15 .....	752
16 .....	754
17 .....	757
18 .....	751
19 .....	752
20 .....	751
21 .....	747
22 .....	749
23 .....	749
24 .....	745
25 .....	717
26 .....	744
27 .....	742
28 .....	744
29 .....	0
30 .....	0
31 .....	0



UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: APRIL 6, 1994

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: MARCH 1994

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
94-001	940329	F	71.0	A	3	94-003	HA	GENERA (X)	<p>A loss of Main Generator field excitation led to a load rejection by the Turbine-Generator System and resulted in an automatic reactor shutdown.</p> <p>Field excitation was lost when arcing occurred between the Main Generator Exciter (MGE) brush rigging and one of the collector rings on the MGE rotor. The primary cause for the arcing is believed to be the sticking of a carbon brush in the brush rigging.</p> <p>Corrective actions include replacing the damaged MGE rotor and increasing the frequency of brush inspection to a daily interval.</p>

TYPE:

F-FORCED  
S-SCHEDULED

REASON:

A-EQUIPMENT FAILURE (EXPLAIN)  
B-MAINTENANCE OR TEST  
C-REFUELING  
D-REGULATORY RESTRICTION  
E-OPERATOR TRAINING & LICENSE  
F-ADMINISTRATIVE  
G-OPERATIONAL ERROR (EXPLAIN)  
H-OTHER (EXPLAIN)

METHOD:

1-MANUAL  
2-MANUAL SCRAM  
3-AUTOMATIC SCRAM  
4-CONTINUATIONS  
5-LOAD REDUCTION  
9-OTHER (EXPLAIN)

EVENTS REPORTED INVOLVE A GREATER THAN 20% REDUCTION IN AVERAGE DAILY POWER LEVEL FOR THE PRECEDING 24 HOURS.

**Enclosure 2**

**Plant Hatch Unit 2**  
*Monthly Operating Report*  
*March 1994*

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Average Daily Power Level	E2-3
Unit Shutdowns and Power Reductions	E2-4



PLANT E. I. HATCH -- UNIT TWO

NARRATIVE REPORT

DOCKET NO: 50-366  
DATE: APRIL 6, 1994  
COMPLETED BY: R. M. BEARD  
TELEPHONE: (912) 367-7781 x2878

MARCH 1	0000	Shift continued to maintain approximately 550 GMWe to monitor offgas activity and fuel performance.
MARCH 5	0147	Shift began reducing load to approximately 500 GMWe to perform Control Rod Drive Exercises.
MARCH 5	0409	Shift began ascension to 70% of rated thermal power.
MARCH 5	0445	70% of rated thermal power was attained with unit load at approximately 550 GMWe.
MARCH 13	0021	Shift began reducing load to approximately 500 GMWe to perform Control Rod Drive Exercises.
MARCH 13	0143	Shift began ascension to 70% of rated thermal power.
MARCH 13	0245	70% of rated thermal power was attained with unit load at approximately 550 GMWe.
MARCH 15	0600	Shift began reducing load in preparation for a unit shutdown.
MARCH 16	0119	The unit entered the 11th Refueling Outage when shift removed the generator from the grid.
MARCH 31	2400	Personnel continued activities associated with the 11th Refueling Outage.

OPERATING DATA REPORT

DOCKET NO: 50-366  
 DATE: APRIL 6, 1994  
 COMPLETED BY: R. M. BEARD  
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS:

1. UNIT NAME:	E. I. HATCH - UNIT TWO
2. REPORTING PERIOD:	MARCH 1994
3. LICENSED THERMAL POWER (MWt):	2436
4. NAMEPLATE RATING (GROSS MWe):	850
5. DESIGN ELECTRICAL RATING (NET MWe):	784
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe):	798
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	765
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:	NO CHANGES
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWe):	NO RESTRICTIONS
10. REASONS FOR RESTRICTION, IF ANY:	N/A

	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	744.0	2160	127585
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	361.8	1777.8	97518.0
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	361.3	1777.3	94003.3
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	599920	3068906	206540780
17. GROSS ELECTRICAL ENERGY GENERATED (MWhe):	192200	992470	67607210
18. NET ELECTRICAL ENERGY GENERATED (MWhe):	179435	938165	64372856
19. UNIT SERVICE FACTOR:	48.6%	82.3%	73.7%
20. UNIT AVAILABILITY FACTOR:	48.6%	82.3%	73.7%
21. UNIT CAPACITY FACTOR (USING MDC NET):	31.5%	56.8%	66.0%
22. UNIT CAPACITY FACTOR (USING DER NET):	30.8%	55.4%	64.4%
23. UNIT FORCED OUTAGE RATE:	0.0%	0.0%	7.3%
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			N/A
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:			N/A
Generator on line tentatively scheduled for April 27, 1994.			
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):			N/A

PLANT E. I. HATCH - UNIT TWO  
AVERAGE DAILY POWER LEVEL  
MARCH 1994

DOCKET NO: 50-366  
DATE: APRIL 6, 1994  
COMPLETED BY: R. M. BEARD  
TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1 .....	518
2 .....	517
3 .....	522
4 .....	520
5 .....	516
6 .....	521
7 .....	519
8 .....	517
9 .....	515
10 .....	517
11 .....	522
12 .....	520
13 .....	517
14 .....	520
15 .....	311
16 .....	0
17 .....	0
18 .....	0
19 .....	0
20 .....	0
21 .....	0
22 .....	0
23 .....	0
24 .....	0
25 .....	0
26 .....	0
27 .....	0
28 .....	0
29 .....	0
30 .....	0
31 .....	0

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO: 50-366

DATE: APRIL 6, 1994

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: MARCH 1994

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
94-002	940315	S	0.0	C	5	N/A	RC	FUELXX	Shift began reducing power to shut down the unit for the 11th Refueling Outage.
94-003	940316	S	382.7	C	2	N/A	RC	FUELXX	The unit entered the 11th Refueling Outage when the generator was removed from the grid.

TYPE:

F-FORCED  
S-SCHEDULED

REASON:

A-EQUIPMENT FAILURE (EXPLAIN)  
B-MAINTENANCE OR TEST  
C-REFUELING  
D-REGULATORY RESTRICTION  
E-OPERATOR TRAINING & LICENSE  
F-ADMINISTRATIVE  
G-OPERATIONAL ERROR (EXPLAIN)  
H-OTHER (EXPLAIN)

METHOD:

1-MANUAL  
2-MANUAL SCRAM  
3-AUTOMATIC SCRAM  
4-CONTINUATIONS  
5-LOAD REDUCTION  
9-OTHER (EXPLAIN)

EVENTS REPORTED INVOLVE A GREATER THAN 20% REDUCTION IN AVERAGE DAILY POWER LEVEL FOR THE PRECEDING 24 HOURS.