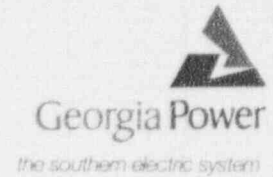


Georgia Power Company  
40 Inverness Center Parkway  
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J. T. Beckham, Jr.  
Vice President - Nuclear  
Hatch Project



October 7, 1994

Docket Nos. 50-321  
50-366

HL-4709  
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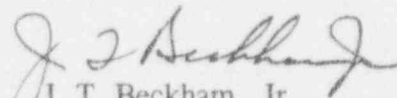
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Edwin I. Hatch Nuclear Plant  
Monthly Operating Reports

Gentlemen:

Enclosed are the September 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.

Enclosures:

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

c: (See next page.)

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U.S. Nuclear Regulatory Commission  
October 7, 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. Ebner, Regional Administrator

Mr. B. L. Holbrook, Senior Resident Inspector - Hatch

Utility Data Institute, Inc.

Mr. Fred Yost, Director - Research Services

**Enclosure 1**

Plant Hatch Unit 1  
*Monthly Operating Report*  
September 1994

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: October 3, 1994

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

SEPTEMBER 1	0000	Shift continued to maintain rated thermal power.
SEPTEMBER 6	2200	The unit entered End of Cycle Coastdown.
SEPTEMBER 11	1710	Shift began reducing load to approximately 670 GMWe to replace a clogged servo strainer to Combined Intercept Valve No. 2.
SEPTEMBER 11	1913	Shift began ascension to maximum achievable power.
SEPTEMBER 11	2045	The unit attained maximum achievable power.
SEPTEMBER 20	1000	Shift began reducing load in preparation for a unit shutdown.
SEPTEMBER 21	0021	The unit entered the 15th Refueling Outage when shift removed the generator from the grid.
SEPTEMBER 24	1651	Shift began core unload.
SEPTEMBER 28	2327	Shift completed core unload.
SEPTEMBER 30	2400	Personnel continued activities associated with the 15th Refueling Outage.

# OPERATING DATA REPORT

DOCKET NO.: 50-321  
 DATE: October 3, 1994  
 COMPLETED BY: T. W. TIDWELL  
 TELEPHONE: (912) 367-7781 x2878

## OPERATING STATUS

1. UNIT NAME:	E. I. HATCH - UNIT ONE
2. REPORT PERIOD:	SEPTEMBER 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 (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:	720.0	6551	164350
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	479.7	6245.6	124249.1
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	479.4	6226.7	119183.3
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	1132374	14947309	268055843
17. GROSS ELECTRICAL ENERGY GENERATED (MWh):	360950	4792010	86136340
18. NET ELECTRICAL ENERGY GENERATED (MWh):	342239	4579865	81970359
19. UNIT SERVICE FACTOR:	66.6%	95.0%	72.5%
20. UNIT AVAILABILITY FACTOR:	66.6%	95.0%	72.5%
21. UNIT CAPACITY FACTOR (USING MDC NET):	64.1%	94.3%	66.6%
22. UNIT CAPACITY FACTOR (USING DER NET):	61.2%	90.1%	64.0%
23. UNIT FORCED OUTAGE RATE:	0.0%	1.3%	11.4%
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: Generator on line tentatively scheduled for November 4, 1994			
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	N/A		

PLANT E. I. HATCH - UNIT ONE

AVERAGE DAILY POWER LEVEL

SEPTEMBER 1994

DOCKET NO.: 50-321

DATE: October 3, 1994

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1 .....	740
2 .....	739
3 .....	746
4 .....	749
5 .....	747
6 .....	742
7 .....	738
8 .....	738
9 .....	736
10 .....	736
11 .....	721
12 .....	728
13 .....	728
14 .....	727
15 .....	719
16 .....	715
17 .....	716
18 .....	711
19 .....	714
20 .....	455
21 .....	0
22 .....	0
23 .....	0
24 .....	0
25 .....	0
26 .....	0
27 .....	0
28 .....	0
29 .....	0
30 .....	0

## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: October 3, 1994

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: SEPTEMBER 1994

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
94-004	940920	S	0.0	C	5	N/A	RC	FUELXX	Shift began reducing power to shut down the unit for the 15th Refueling Outage.
94-005	940921	S	240.6	C	2	N/A	RC	FUELXX	The unit entered the 15th 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.

## Enclosure 2

### Plant Hatch Unit 2 *Monthly Operating Report* September 1994

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Narrative Report	E2-1
Operating Data Report	E2-2
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: October 3, 1994

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

SEPTEMBER 1	0000	Shift continued with unit startup activities.
SEPTEMBER 1	1340	Shift tied the unit to the grid and began ascension to rated thermal power. Fuel preconditioning measures were implemented to prevent fuel degradation during ascension to rated thermal power.
SEPTEMBER 5	0535	Rated thermal power was attained.
SEPTEMBER 10	2215	Shift began reducing load to approximately 740 GMWe to perform Control Rod Exercises on selected rods.
SEPTEMBER 10	2335	Shift began ascension to rated thermal power.
SEPTEMBER 11	0232	Rated thermal power was attained.
SEPTEMBER 17	2213	Shift began reducing load to approximately 590 GMWe to perform Turbine Control Valve and Turbine Bypass Valve Testing, and Control Rod Drive Exercises on selected rods.
SEPTEMBER 18	0017	Shift began ascension to rated thermal power.
SEPTEMBER 18	0210	Rated thermal power was attained.
SEPTEMBER 24	2339	Shift began reducing load to approximately 760 GMWe to perform a Control Rod Pattern Adjustment and Control Rod Exercises on selected rods.
SEPTEMBER 25	0049	Shift began ascension to rated thermal power.
SEPTEMBER 25	0440	During ascension to rated thermal power, shift personnel discovered that the "A" Reactor Feed Pump Turbine (RFPT) was not responding to the power increase. Shift personnel maintained the unit load at approximately 780 GMWe while Instrumentation and Control technicians investigated and replaced a silicone-controlled rectifier in the affected circuit.
SEPTEMBER 25	1114	Shift began ascension to rated thermal power.
SEPTEMBER 25	1501	Rated thermal power was attained.
SEPTEMBER 28	1920	Shift began reducing load to approximately 560 GMWe due to oxygen concentrations greater than 4% in the Primary Containment.
SEPTEMBER 28	2120	Shift began ascension to rated thermal power.
SEPTEMBER 29	0335	Rated thermal power was attained.
SEPTEMBER 30	2400	Shift continued to maintain rated thermal power.

# OPERATING DATA REPORT

DOCKET NO: 50-366  
 DATE: October 3, 1994  
 COMPLETED BY: T. W. TIDWELL  
 TELEPHONE: (912) 367-7781 x2878

## OPERATING STATUS:

1. UNIT NAME:	E. I. HATCH - UNIT TWO
2. REPORTING PERIOD:	SEPTEMBER 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:	720.0	6551	131976
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	719.0	5410.7	101150.9
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	707.3	5326.5	97552.5
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	1670123	11471754	214943628
17. GROSS ELECTRICAL ENERGY GENERATED (MWHe):	551220	3754180	70368920
18. NET ELECTRICAL ENERGY GENERATED (MWHe):	527179	3574708	67009399
19. UNIT SERVICE FACTOR:	98.2%	81.3%	73.9%
20. UNIT AVAILABILITY FACTOR:	98.2%	81.3%	73.9%
21. UNIT CAPACITY FACTOR (USING MDC NET):	95.7%	71.3%	66.5%
22. UNIT CAPACITY FACTOR (USING DER NET):	93.4%	69.6%	64.8%
23. UNIT FORCED OUTAGE RATE:	1.8%	2.5%	7.2%
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
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):			N/A

PLANT E. I. HATCH - UNIT TWO

AVERAGE DAILY POWER LEVEL

SEPTEMBER 1994

DOCKET NO: 50-366

DATE: October 3, 1994

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1 .....	117
2 .....	476
3 .....	703
4 .....	695
5 .....	770
6 .....	770
7 .....	768
8 .....	768
9 .....	768
10 .....	764
11 .....	767
12 .....	770
13 .....	770
14 .....	772
15 .....	767
16 .....	766
17 .....	752
18 .....	768
19 .....	776
20 .....	777
21 .....	774
22 .....	776
23 .....	773
24 .....	768
25 .....	756
26 .....	772
27 .....	776
28 .....	745
29 .....	771
30 .....	772

## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO: 50-366

DATE: October 3, 1994

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: SEPTEMBER 1994

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
94-009	940830	F	12.7	H	4	2-94-007	IA	INSTRU (S)	<p>The unit experienced an automatic reactor scram when RPS electrical bus 2A was being transferred from its alternate to its normal supply. The event was caused by inadvertently moving the switch beyond its center position when transferring from "ALT A" to the "NORM" position.</p> <p>The RPS power supply transfer switch was replaced. Final corrective action may include changing the type of switch used for this application.</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.