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J. D. Woodard  
Senior Vice President

*the southern electric system*

January 10, 1997

Docket Nos. 50-321  
50-366

HL-5296


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 December 1996 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 Technical Specifications requirements.

Sincerely,



J. D. Woodard

CLT/eb

Enclosures:

1. December Monthly Operating Report for Plant Hatch Unit 1
2. December Monthly Operating Report for Plant Hatch Unit 2

cc: 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. L. A. Reyes, Regional Administrator  
Mr. B. L. Holbrook, Senior Resident Inspector - Hatch

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

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**Enclosure 1**

**Plant Hatch Unit 1  
Monthly Operating Report  
December 1996**

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: JANUARY 2, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

DECEMBER 1      0000      Shift continued to maintain rated thermal power.

DECEMBER 31    2400      Shift continued to maintain rated thermal power.

# OPERATING DATA REPORT

DOCKET NO.: 50-321  
 DATE: JANUARY 2, 1997  
 COMPLETED BY: S. B. ROGERS  
 TELEPHONE: (912) 367-7781 x2878

## OPERATING STATUS

1. UNIT NAME:	E. I. HATCH - UNIT ONE
2. REPORT PERIOD:	December 1996
3. LICENSED THERMAL POWER (MWt):	2558
4. NAMEPLATE RATING (GROSS MWe):	850
5. DESIGN ELECTRICAL RATING (NET MWe):	822.1
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe):	840
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	805
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	8784	184103
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	744.0	7831.3	142232.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	744.0	7667.3	136927.4
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	1902142	18505909	310314676
17. GROSS ELECTRICAL ENERGY GENERATED (MWh):	626228	5990390	99862722
18. NET ELECTRICAL ENERGY GENERATED (MWh):	601300	5719870	95083410
19. UNIT SERVICE FACTOR:	100.0%	87.3%	74.4%
20. UNIT AVAILABILITY FACTOR:	100.0%	87.3%	74.4%
21. UNIT CAPACITY FACTOR (USING MDC NET):	100.4%	82.6%	69.0%
22. UNIT CAPACITY FACTOR (USING DER NET):	98.3%	80.7%	66.3%
23. UNIT FORCED OUTAGE RATE:	0.0%	2.5%	10.2%

24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

4 Day Maintenance Outage tentatively scheduled for May 8, 1997

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 ONE  
AVERAGE DAILY POWER LEVEL  
December 1996

DOCKET NO.: 50-321  
DATE: JANUARY 2, 1997  
COMPLETED BY: S. B. ROGERS  
TELEPHONE: (912) 367-7781 x2878

<u>DAY</u>	<u>Net MWe</u>
1 .....	802
2 .....	810
3 .....	810
4 .....	809
5 .....	809
6 .....	807
7 .....	804
8 .....	810
9 .....	811
10 .....	810
11 .....	807
12 .....	805
13 .....	808
14 .....	810
15 .....	811
16 .....	809
17 .....	806
18 .....	810
19 .....	811
20 .....	811
21 .....	812
22 .....	810
23 .....	808
24 .....	806
25 .....	811
26 .....	809
27 .....	807
28 .....	806
29 .....	806
30 .....	805
31 .....	804

# UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: JANUARY 2, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: December 1996

NO.	DATE	TYPE	DURATION (HOURS)	REASON	LICENSEE EVENT REPORT NUMBER	SYSTEM SC TO ED ME	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
								No significant power reductions occurred this month.

## 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  
December 1996**

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PLANT E. I. HATCH - UNIT TWO

NARRATIVE REPORT

DOCKET NO.: 50-366

DATE: JANUARY 2, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

DECEMBER 1      0000      Shift continued to maintain rated thermal power.

DECEMBER 31    2400      Shift continued to maintain rated thermal power.



# OPERATING DATA REPORT

DOCKET NO.: 50-366  
 DATE: JANUARY 2, 1997  
 COMPLETED BY: S. B. ROGERS  
 TELEPHONE: (912) 367-7781 x2878

## OPERATING STATUS

1. UNIT NAME:	E. I. HATCH - UNIT TWO
2. REPORT PERIOD:	December 1996
3. LICENSED THERMAL POWER (MWt):	2558
4. NAMEPLATE RATING (GROSS MWe):	850
5. DESIGN ELECTRICAL RATING (NET MWe):	784
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe):	844
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	809
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	8784	151729
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	744.0	8677.1	119158.7
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	744.0	8639.7	115290.7
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	1902209	21860933	258226734
17. GROSS ELECTRICAL ENERGY GENERATED (MWe):	640016	7321204	84755463
18. NET ELECTRICAL ENERGY GENERATED (MWe):	614162	7021701	80779162
19. UNIT SERVICE FACTOR:	100.0%	98.4%	76.0%
20. UNIT AVAILABILITY FACTOR:	100.0%	98.4%	76.0%
21. UNIT CAPACITY FACTOR (USING MDC NET):	102.0%	98.8%	69.7%
22. UNIT CAPACITY FACTOR (USING DER NET):	105.3%	102.0%	67.9%
23. UNIT FORCED OUTAGE RATE:	0.0%	0.7%	6.5%

24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

30 Day Refueling Outage tentatively scheduled for March 15, 1997.

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  
December 1996

DOCKET NO.: 50-366  
DATE: JANUARY 2, 1997  
COMPLETED BY: S. B. ROGERS  
TELEPHONE: (912) 367-7781 x2878

<u>DAY</u>	<u>Net MWe</u>
1 .....	820
2 .....	827
3 .....	828
4 .....	827
5 .....	826
6 .....	825
7 .....	822
8 .....	827
9 .....	828
10 .....	828
11 .....	826
12 .....	823
13 .....	824
14 .....	826
15 .....	827
16 .....	827
17 .....	824
18 .....	828
19 .....	828
20 .....	829
21 .....	830
22 .....	827
23 .....	826
24 .....	824
25 .....	827
26 .....	826
27 .....	825
28 .....	823
29 .....	822
30 .....	822
31 .....	820

# UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

REPORT MONTH: December 1996

DOCKET NO.: 50-366

DATE: JANUARY 2, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

NO.	DATE	T Y P E	DURATION (HOURS)	R E A S O N	M E T H O D	LICENSEE EVENT REPORT NUMBER	S Y S T E M	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
									No significant power reductions occurred this month.

## 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.