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J. D. Woodard
Senior Vice President

the southern electric system

February 7, 1997

Docket Nos. 50-321
50-366

HL-5314

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 January 1997 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,

C.K. McGee FOR
J. D. Woodard

CLT/eb

Enclosures:

1. January Monthly Operating Report for Plant Hatch Unit 1
2. January 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
January 1997**

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321
DATE: FEBRUARY 4, 1997
COMPLETED BY: S. B. ROGERS
TELEPHONE: (912) 367-7781 x2878

JANUARY 1	0000	Shift continued to maintain rated thermal power.
JANUARY 25	1240	Shift began reducing load to approximately 820 GMWe to perform Control Rod Drive Exercises on selected control rod drives.
JANUARY 25	1255	Shift began ascension to rated thermal power.
JANUARY 25	1313	The unit attained rated thermal power.
JANUARY 28	1530	At management direction, Shift began reducing load for a unit shutdown due to an increasing trend on unidentified drywell leakage.
JANUARY 29	0121	Shift manually tripped the Main Turbine.
JANUARY 29	0849	Shift manually scrammed the reactor.
JANUARY 31	2400	Personnel continued activities associated with the drywell leak repair outage.

OPERATING DATA REPORT

DOCKET NO.: 50-321
 DATE: FEBRUARY 4, 1997
 COMPLETED BY: S. B. ROGERS
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

1. UNIT NAME:	E. I. HATCH - UNIT ONE
2. REPORT PERIOD:	JANUARY 1997
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):	835
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	800

8. IF CHANGES OCCUR IN CAPACITY RATINGS

(ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:

Maximum Dependable Capacities for 1997 are 835 MWe (Gross) and 800 MWe (Net).

The values were determined from 1996 operational data.

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	744.0	184847
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	680.8	680.8	142913.6
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	673.4	673.4	137600.8
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	1710048	1710048	312024724
17. GROSS ELECTRICAL ENERGY GENERATED (MWe):	561214	561214	100423936
18. NET ELECTRICAL ENERGY GENERATED (MWe):	537776	537776	95621186
19. UNIT SERVICE FACTOR:	90.4%	90.4%	74.4%
20. UNIT AVAILABILITY FACTOR:	90.4%	90.4%	74.4%
21. UNIT CAPACITY FACTOR (USING MDC NET):	90.4%	90.4%	68.8%
22. UNIT CAPACITY FACTOR (USING DER NET):	87.9%	87.9%	66.4%
23. UNIT FORCED OUTAGE RATE:	0.0%	0.0%	10.2%

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:

Generator was tied to the grid February 3, 1997.

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	N/A
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PLANT E. I. HATCH - UNIT ONE
AVERAGE DAILY POWER LEVEL
JANUARY 1997

DOCKET NO.: 50-321
DATE: FEBRUARY 4, 1997
COMPLETED BY: S. B. ROGERS
TELEPHONE: (912) 367-7781 x2878

<u>DAY</u>	<u>Net MWe</u>
1	805
2	804
3	804
4	803
5	803
6	808
7	809
8	810
9	808
10	810
11	811
12	812
13	811
14	810
15	807
16	808
17	812
18	812
19	811
20	810
21	809
22	807
23	805
24	804
25	807
26	810
27	807
28	631
29	0
30	0
31	0

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: FEBRUARY 4, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: JANUARY 1997

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSC TO ED ME	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
97-001	970128	S	0.0	B 5		97-001	CF	PIPEXX (A)	Shift began reducing load for a unit shutdown due to an increasing trend on unidentified drywell leakage.
97-002	970129	S	70.6	B 1,2		97-001	CF	PIPEXX (A)	Shift manually tripped the Main Turbine and inserted a manual scram. Sources of leakage have been identified and repair activities are continuing.

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
January 1997**

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PLANT E. I. HATCH - UNIT TWO

NARRATIVE REPORT

DOCKET NO.: 50-366

DATE: FEBRUARY 4, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

JANUARY 1	0000	Shift continued to maintain rated thermal power.
JANUARY 5	1640	Shift began reducing load to approximately 800 GMWe when the unit experienced a partial loss of feedwater heating upon inadvertent isolation of extraction steam to the 6th Stage "A" Feedwater Heater.
JANUARY 5	1703	The 6th Stage "A" Feedwater Heater was returned to service. Investigation revealed that the partial loss of feedwater heating was caused by a blown fuse which resulted in the closure of the 6th Stage "A" Feedwater Heater Extraction Steam Isolation Valve.
JANUARY 5	1740	Shift began ascension to rated thermal power.
JANUARY 5	1817	The unit attained rated thermal power.
JANUARY 23	0800	Shift began reducing load to approximately 450 GMWe to remove "A" Reactor Feedwater Pump from service to replace the lube oil filters. Shift performed a Rod Pattern Adjustment, Turbine Control Valve Testing, and inspection and replacement of selected servo-strainers in the Turbine Electro-Hydraulic Control (EHC) System while at reduced load.
JANUARY 23	1739	Shift began ascension to rated thermal power.
JANUARY 24	1325	The unit attained rated thermal power.
JANUARY 31	2400	Shift continued to maintain rated thermal power.

OPERATING DATA REPORT

DOCKET NO.: 50-366
 DATE: FEBRUARY 4, 1997
 COMPLETED BY: S. B. ROGERS
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

1. UNIT NAME:	E. I. HATCH - UNIT TWO
2. REPORT PERIOD:	JANUARY 1997
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):	853
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	818
8. IF CHANGES OCCUR IN CAPACITY RATINGS	

(ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:

Maximum Dependable Capacities for 1997 are 853 MWe (Gross) and 818 MWe (Net).
 The values were determined from 1996 operational data.

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	744.0	152473
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	744.0	744.0	119902.7
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	744.0	744.0	116034.7
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	1887329	1887329	260114063
17. GROSS ELECTRICAL ENERGY GENERATED (MWe):	634497	634497	85389960
18. NET ELECTRICAL ENERGY GENERATED (MWe):	608372	608372	81387534
19. UNIT SERVICE FACTOR:	100.0%	100.0%	76.1%
20. UNIT AVAILABILITY FACTOR:	100.0%	100.0%	76.1%
21. UNIT CAPACITY FACTOR (USING MDC NET):	100.0%	100.0%	69.4%
22. UNIT CAPACITY FACTOR (USING DER NET):	104.3%	104.3%	68.1%
23. UNIT FORCED OUTAGE RATE:	0.0%	0.0%	6.5%

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

34 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
JANUARY 1997

DOCKET NO.: 50-366
DATE: FEBRUARY 4, 1997
COMPLETED BY: S. B. ROGERS
TELEPHONE: (912) 367-7781 x2878

<u>DAY</u>	<u>Net MWe</u>
1	821
2	822
3	821
4	821
5	818
6	824
7	825
8	826
9	823
10	826
11	828
12	828
13	828
14	826
15	825
16	824
17	827
18	828
19	827
20	826
21	825
22	824
23	636
24	804
25	822
26	825
27	824
28	821
29	824
30	826
31	825

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO.: 50-366

DATE: FEBRUARY 4, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: JANUARY 1997

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
97-001	970123	S	0.0	B	5	N/A	CH RC HA HB	FILTER FUELXX VALVOP (C) FILTER	Shift reduced load to approximately 450 GMWe to remove "A" Reactor Feedwater Pump from service to replace lube oil filters, perform a Rod Pattern Adjustment, Turbine Control Valve Testing, and inspect and replace selected servo-strainers in the Turbine EHC System.

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.