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April 14, 1997

Docket Nos. 50-321  
50-366

Energy to Serve Your World™

HL-5364

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 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,

H. L. Sumner, Jr.

CLT/ld

Enclosures:

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

cc: Southern Nuclear Operating Company  
Mr. P. H. Wells, 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**  
March 1997

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: APRIL 2, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

MARCH 1            0000    Shift continued to maintain rated thermal power.

MARCH 31          2400    Shift continued to maintain rated thermal power.

# OPERATING DATA REPORT

DOCKET NO.: 50-321  
DATE: APRIL 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:	MARCH 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:	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	2160.0	186263
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	744.0	2067.1	144299.9
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	744.0	2039.6	138967.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWhT):	1901914	5179300	315493975
17. GROSS ELECTRICAL ENERGY GENERATED (MWhE):	624101	1699221	101561943
18. NET ELECTRICAL ENERGY GENERATED (MWhE):	599540	1629862	96713272
19. UNIT SERVICE FACTOR:	100.0%	94.4%	74.6%
20. UNIT AVAILABILITY FACTOR:	100.0%	94.4%	74.6%
21. UNIT CAPACITY FACTOR (USING MDC NET):	100.7%	94.3%	69.0%
22. UNIT CAPACITY FACTOR (USING DER NET):	98.0%	91.8%	66.6%
23. UNIT FORCED OUTAGE RATE:	0.0%	0.0%	10.1%
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 ONE  
AVERAGE DAILY POWER LEVEL  
MARCH 1997

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

DAY	Net MWe
1 .....	801
2 .....	802
3 .....	800
4 .....	805
5 .....	803
6 .....	808
7 .....	811
8 .....	809
9 .....	806
10 .....	805
11 .....	804
12 .....	807
13 .....	803
14 .....	804
15 .....	810
16 .....	812
17 .....	810
18 .....	806
19 .....	806
20 .....	806
21 .....	807
22 .....	806
23 .....	810
24 .....	809
25 .....	803
26 .....	802
27 .....	808
28 .....	805
29 .....	801
30 .....	803
31 .....	808



# UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

REPORT MONTH: MARCH 1997

DOCKET NO.: 50-321

DATE: APRIL 2, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

NO.	DATE	T Y P E	DURATION (HOURS)	R E E A T S H O O N D	LICENSEE EVENT REPORT NUMBER	S Y S C T O E D M E	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**  
March 1997

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**PLANT E. I. HATCH - UNIT TWO**

**NARRATIVE REPORT**

DOCKET NO.: 50-366

DATE: APRIL 2, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

MARCH 1	0000	Shift continued to maintain rated thermal power.
MARCH 5	0000	The unit entered End of Cycle Coastdown.
MARCH 14	0400	Shift began reducing load in preparation for a unit shutdown.
MARCH 15	0005	The unit entered the 13th Refueling Outage when Shift manually tripped the Main Turbine.
MARCH 15	0027	Shift manually scrammed the reactor.
MARCH 18	2047	Shift began unloading a predetermined number of fuel bundles to facilitate the inspection of reactor vessel internals.
MARCH 19	0333	Shift completed initial fuel movements.
MARCH 30	0320	Shift began fuel shuffle.
MARCH 31	2400	Personnel continued activities associated with the 13th Refueling Outage.



# OPERATING DATA REPORT

DOCKET NO.: 50-366  
DATE: APRIL 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:	MARCH 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:	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	2160.0	153889
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	336.5	1752.5	120911.2
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	336.1	1752.1	117042.7
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	827266	4429145	262655878
17. GROSS ELECTRICAL ENERGY GENERATED (MWe):	275528	1485375	86240838
18. NET ELECTRICAL ENERGY GENERATED (MWe):	261008	1420862	82200024
19. UNIT SERVICE FACTOR:	45.0%	81.1%	76.1%
20. UNIT AVAILABILITY FACTOR:	45.0%	81.1%	76.1%
21. UNIT CAPACITY FACTOR (USING MDC NET):	42.9%	80.4%	69.4%
22. UNIT CAPACITY FACTOR (USING DER NET):	44.7%	83.9%	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):	N/A		
25. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	N/A		
Generator on line tentatively scheduled for April 18, 1997.			
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	N/A		

PLANT E. I. HATCH - UNIT TWO  
AVERAGE DAILY POWER LEVEL  
MARCH 1997

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

DAY	Net MWe
1 .....	817
2 .....	817
3 .....	814
4 .....	818
5 .....	815
6 .....	817
7 .....	821
8 .....	818
9 .....	815
10 .....	810
11 .....	807
12 .....	806
13 .....	801
14 .....	413
15 .....	0
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 2, 1997

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: MARCH 1997

NO.	DATE	T Y P E	DURATION (HOURS)	R E A T S H O O N	M E T H O D	LICENSEE EVENT REPORT NUMBER	S Y S T E M C O D E	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
97-002	970314	S	0.0	C	5	N/A	RC	FUELXX	Shift began reducing load to shut down the unit for the 13th Refueling Outage.
97-003	970315	S	407.9	C	2	N/A	RC	FUELXX	The unit entered the 13th Refueling Outage when Shift manually tripped the Main Turbine. Twenty two minutes later, Shift manually scrammed the Reactor with power level at approximately 20 percent.

## 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.