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the southern electric system

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Senior Vice President  
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HL-1191  
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July 10, 1990

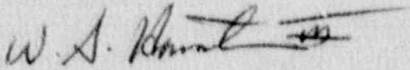
U.S. Nuclear Regulatory Commission  
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PLANT HATCH - UNITS 1, 2  
NRC DOCKETS 50-321, 50-366  
OPERATING LICENSES DPR-57, NPF-5  
MONTHLY OPERATING REPORTS

Gentlemen:

Enclosed are the June 1990 Monthly Operating Reports for Plant Hatch Unit 1, Docket No. 50-321, and Plant Hatch Unit 2, Docket No. 50-366. These reports are submitted in accordance with the requirements of Technical Specifications Section 6.9.1.10.

Sincerely,

  
W. G. Hairston, III

SRP/eb

Enclosures:

1. Monthly Operating Report for Hatch-Unit 1
2. Monthly Operating Report for Hatch-Unit 2

c: (See next page.)

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U.S. Nuclear Regulatory Commission

July 10, 1990

Page Two

c: Georgia Power Company

Mr. H. C. Nix, General Manager - Nuclear Plant

Mr. J. D. Heidt, Manager Engineering and Licensing - Hatch

NORMS

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Mr. L. P. Crocker, Licensing Project Manager - Hatch

U.S. Nuclear Regulatory Commission, Region II

Mr. S. D. Ebnetter, Regional Administrator

Senior Resident Inspector - Hatch

ENCLOSURE 1

PLANT HATCH - UNIT 1  
NRC DOCKET 50-321  
MONTHLY OPERATING REPORT  
June 1990

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: JULY 3, 1990

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2873

JUNE 1	0000	The 12th Refueling and Condenser Tube Replacement Outage is in progress.
JUNE 1	1722	Shift personnel began control rod withdrawal.
JUNE 1	2240	The reactor achieved critical status.
JUNE 6	0316	The generator was tied to the grid.
JUNE 6	0800	The generator was removed from the grid for Turbine Overspeed Trip Testing.
JUNE 6	0902	The generator has been tied to the grid and ascension to rated thermal power started.
JUNE 9	0238	Shift personnel began reducing power in order to reduce a higher than normal amount of hydrogen in the Offgas System.
JUNE 10	0826	The unit was manually scrammed due to concerns of a possible ignition within the Offgas System.
JUNE 16	1453	Shift personnel began control rod withdrawal.
JUNE 16	1643	The reactor achieved critical status.
JUNE 17	2348	The generator has been tied to the grid and ascension to rated thermal power started.
JUNE 19	1646	Shift personnel began reducing the load for unit shutdown due to the low level of condenser vacuum.
JUNE 20	0245	An automatic reactor scram on low water level was received when the Feedwater System did not respond properly while a Condensate Booster Pump was being removed from service.
JUNE 22	0542	Shift personnel began control rod withdrawal.
JUNE 22	0746	The reactor achieved critical status.
JUNE 23	0014	The generator has been tied to the grid and ascension to rated thermal power started.
JUNE 30	2400	The unit is maintaining rated thermal power.

# OPERATING DATA REPORT

DOCKET NO.: 50-321  
 DATE: JULY 3, 1990  
 COMPLETED BY: R. M. BEARD  
 TELEPHONE: (912) 367-7781 x2878

## OPERATING STATUS

1. UNIT NAME:	E. I. HATCH - UNIT ONE
2. REPORT PERIOD:	JUNE 1990
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):	786
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	753
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	4343	127078
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	492.0	1654.2	91262.1
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	342.9	1483.8	86819.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	636727	3277127	190676162
17. GROSS ELECTRICAL ENERGY GENERATED (MWe):	184770	1042560	61526590
18. NET ELECTRICAL ENERGY GENERATED (MWe):	169389	973337	58479695
19. UNIT SERVICE FACTOR:	47.6%	34.2%	68.3%
20. UNIT AVAILABILITY FACTOR:	47.6%	34.2%	68.3%
21. UNIT CAPACITY FACTOR (USING MDC NET):	31.2%	29.8%	61.3%
22. UNIT CAPACITY FACTOR (USING DER NET):	30.3%	28.9%	58.9%
23. UNIT FORCED OUTAGE RATE:	42.4%	14.6%	13.9%
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

JUNE 1990

DOCKET NO.: 50-321

DATE: JULY 3, 1990

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1 .....	0
2 .....	0
3 .....	0
4 .....	0
5 .....	0
6 .....	80
7 .....	179
8 .....	225
9 .....	323
10 .....	77
11 .....	0
12 .....	0
13 .....	0
14 .....	0
15 .....	0
16 .....	0
17 .....	0
18 .....	327
19 .....	596
20 .....	9
21 .....	0
22 .....	0
23 .....	363
24 .....	667
25 .....	741
26 .....	736
27 .....	736
28 .....	736
29 .....	734
30 .....	735



## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: JULY 3, 1990

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: JUNE 1990

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 O P M E	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
90-003	900217	S	123.27	C	4	N/A	RC	FUELXX	The 12th Refueling and Condenser Tube Replacement Outage is in progress.
90-004	900606	S	1.03	B	5	N/A	HA	TURBIN	The generator was removed from the grid for Turbine Overspeed Trip Testing.
90-005	900610	F	183.37	H	2	1-90-012	MB	FILTER	The unit was operating at a reduced power level due to problems with the operation of the Offgas System's hydrogen recombiner. The reactor was manually scrammed when a sudden change in the operating parameters of the Offgas System indicated the possibility of an ignition within the system. (continued on page E1-4b)

## 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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO: 50-321

DATE: JULY 3, 1990

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: JUNE 1990

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
90-006	900620	F	69.48	B	3	1-90-013	CH	INSTRU (C)	<p>The unit was maintained in a shutdown condition until there were no indications of combustion occurring in the Offgas System. The operating procedure for placing the Offgas Preheater System, prior to the recombiner, into service was revised to require the steam trap bypass valve to be fully closed in order to prevent steam from entering the suction of the Condensate Return Pump.</p> <p>Shift personnel were reducing power for unit shutdown due to the inability to obtain the proper level of (continued on page E1-4c)</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.



## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO: 50-321

DATE: JULY 3, 1990

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: JUNE 1990

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
									<p>vacuum in the Main Condenser. Plant parameters indicated the Main Condenser Hotwell discharge line was partially blocked. An automatic scram signal on low reactor water level was received when the "C" Condensate Booster Pump was removed from service and "B" Reactor Feed Pump did not respond appropriately.</p> <p>The Main Condenser was inspected and all debris removed. An inspection of the "B" Reactor Feed Pump Turbine and vigorous testing of the control loop revealed no abnormalities which would prevent the system from responding as designed.</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  
NRC DOCKET 50-366  
MONTHLY OPERATING REPORT  
June 1990

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PLANT E. I. HATCH - UNIT TWO

NARRATIVE REPORT

DOCKET NO: 50-366

DATE: JULY 3, 1990

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

JUNE 1	0001	The unit is maintaining rated thermal power.
JUNE 10	0001	Shift personnel began reducing load to approximately 625 GMWe to perform Turbine Control Valve and Turbine Bypass Valve Testing.
JUNE 10	0215	Shift personnel began returning the unit to rated thermal power.
JUNE 30	2300	Shift personnel began reducing load to approximately 650 GMWe to perform a Rod Sequence Exchange.
JUNE 30	2400	The unit is operating at a reduced power level while shift personnel perform a Rod Sequence Exchange.



# OPERATING DATA REPORT

DOCKET NO: 50-366  
DATE: JULY 3, 1990  
COMPLETED BY: R. M. BEARD  
TELEPHONE: (912) 367-7781 x2878

## OPERATING STATUS:

1. UNIT NAME:	E. I. HATCH - UNIT TWO
2. REPORTING PERIOD:	JUNE 1990
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):	799
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	766
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	4343	94704
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	720.0	4267.7	69665.7
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	720.0	4232.8	66745.0
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	1634064	9966544	145466512
17. GROSS ELECTRICAL ENERGY GENERATED (MWh):	567590	3325920	47784010
18. NET ELECTRICAL ENERGY GENERATED (MWh):	543260	3183814	45480177
19. UNIT SERVICE FACTOR:	100.0%	97.5%	70.5%
20. UNIT AVAILABILITY FACTOR:	100.0%	97.5%	70.5%
21. UNIT CAPACITY FACTOR (USING MDC NET):	98.5%	95.7%	62.8%
22. UNIT CAPACITY FACTOR (USING DER NET):	96.2%	93.5%	61.3%
23. UNIT FORCED OUTAGE RATE:	0.0%	2.5%	8.1%
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX 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

JUNE 1990

DOCKET NO: 50-366

DATE: JULY 3, 1990

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2813

DAY	Net MWe
1 .....	758
2 .....	755
3 .....	753
4 .....	753
5 .....	758
6 .....	755
7 .....	755
8 .....	755
9 .....	756
10 .....	736
11 .....	758
12 .....	760
13 .....	760
14 .....	758
15 .....	753
16 .....	753
17 .....	754
18 .....	756
19 .....	753
20 .....	755
21 .....	751
22 .....	752
23 .....	754
24 .....	758
25 .....	758
26 .....	755
27 .....	754
28 .....	755
29 .....	756
30 .....	750

## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. 1. HATCH - UNIT TWO

DOCKET NO: 50-366

DATE: JULY 3, 1990

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: JUNE 1990

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 O M E	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
									No significant power reductions 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.