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the southern electric system

W. G. Hairston, III
Senior Vice President
Nuclear Operations

HL-1434
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January 14, 1991

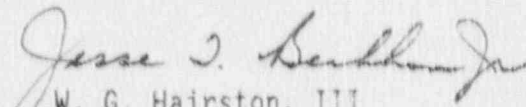
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

PLANT HATCH - UNITS 1, 2
NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
MONTHLY OPERATING REPORTS

Gentlemen:

Enclosed are the December 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,

for 
W. G. Hairston, III

SRP/sp

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

January 14, 1991

Page Two

c: Georgia Power Company

Mr. H. L. Sumner, General Manager - Nuclear Plant

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

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. Ebnetter, Regional Administrator

Mr. L. D. Wert, Senior Resident Inspector - Hatch

ENCLOSURE 1

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

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: JANUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

DECEMBER 1	0000	Maintaining rated thermal power.
DECEMBER 15	2005	Shift began reducing load to approximately 560 GMWe to perform a Rod Sequence Exchange.
DECEMBER 16	0405	Shift began returning the unit to rated thermal power.
DECEMBER 29	0012	Shift began reducing load to approximately 700 GMWe for Turbine Control Valve and Turbine Bypass Valve Testing.
DECEMBER 29	0320	Shift began returning the unit to rated thermal power.
DECEMBER 31	2400	Maintaining rated thermal power.

OPERATING DATA REPORT

DOCKET NO.: 50-321
 DATE: JANUARY 4, 1991
 COMPLETED BY: R. M. BEARD
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

- | | |
|---|------------------------|
| 1. UNIT NAME: | E. I. HATCH - UNIT ONE |
| 2. REPORT PERIOD: | DECEMBER 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:	744	8760	131495
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	744.0	5939.6	95547.5
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	744.0	5724.0	91060.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	1804776	13514413	200913448
17. GROSS ELECTRICAL ENERGY GENERATED (MWhe):	574710	4285830	64769860
18. NET ELECTRICAL ENERGY GENERATED (MWhe):	550503	4073810	61580168
19. UNIT SERVICE FACTOR:	100.0%	65.3%	69.2%
20. UNIT AVAILABILITY FACTOR:	100.0%	65.3%	69.2%
21. UNIT CAPACITY FACTOR (USING MDC NET):	98.3%	61.8%	62.4%
22. UNIT CAPACITY FACTOR (USING DER NET):	95.3%	59.9%	59.9%
23. UNIT FORCED OUTAGE RATE:	0.0%	5.8%	13.5%
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
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):			N/A

PLANT E. I. HATCH - UNIT ONE
AVERAGE DAILY POWER LEVEL
DECEMBER 1990

DOCKET NO.: 50-321
DATE: JANUARY 4, 1991
COMPLETED BY: R. M. BEARD
TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1	738
2	738
3	733
4	741
5	745
6	745
7	743
8	742
9	744
10	742
11	743
12	745
13	742
14	742
15	715
16	705
17	743
18	740
19	741
20	743
21	744
22	736
23	737
24	745
25	750
26	749
27	749
28	746
29	733
30	736
31	741

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: JANUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: DECEMBER 1990

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM	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.

ENCLOSURE 2

PLANT HATCH UNIT 2
NRC DOCKET 50-366
MONTHLY OPERATING REPORT
December 1990

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PLANT E. I. HATCH - UNIT TWO

NARRATIVE REPORT

DOCKET NO: 50-366

DATE: JANUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

DECEMBER 1	0000	Maintaining rated thermal power.
DECEMBER 1	2300	Shift began reducing load to approximately 700 GMWe for Turbine Control Valve, Turbine Bypass Valve and Control Rod Scram Time Testing.
DECEMBER 2	0425	Shift began returning the unit to rated thermal power.
DECEMBER 18	1916	Shift began reducing load to approximately 700 GMWe to perform a backwash and precoat cycle on the "E" Condensate Demineralizer Vessel while septum replacement was underway on the "B" Condensate Demineralizer Vessel.
DECEMBER 18	2200	Shift began returning the unit to rated thermal power.
DECEMBER 29	2310	Shift began reducing load to approximately 700 GMWe for Turbine Control Valve, Turbine Bypass Valve and Control Rod Pattern Adjustment.
DECEMBER 30	0315	Shift began returning the unit to rated thermal power.
DECEMBER 31	2400	Maintaining rated thermal power.

OPERATING DATA REPORT

DOCKET NO: 50-366
 DATE: JANUARY 4, 1991
 COMPLETED BY: R. M. BEARD
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS:

- | | |
|---|------------------------|
| 1. UNIT NAME: | E. I. HATCH - UNIT TWO |
| 2. REPORTING PERIOD: | DECEMBER 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:	744	8760	99121
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	744.0	8684.7	74082.7
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	744.0	8649.8	71162.0
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	1806288	20793625	156293593
17. GROSS ELECTRICAL ENERGY GENERATED (MWhe):	595060	6821530	51279620
18. NET ELECTRICAL ENERGY GENERATED (MWhe):	569556	6527752	48824115
19. UNIT SERVICE FACTOR:	100.0%	98.7%	71.8%
20. UNIT AVAILABILITY FACTOR:	100.0%	93.7%	71.8%
21. UNIT CAPACITY FACTOR (USING MDC NET):	99.9%	97.3%	64.4%
22. UNIT CAPACITY FACTOR (USING DER NET):	97.6%	95.0%	62.8%
23. UNIT FORCED OUTAGE RATE:	0.0%	1.3%	7.7%
24. SHUTDOWNS SCHEDULED OVER THE NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):			
Refueling Outage: Tentatively Scheduled for March 20, 1991; 69 Days			
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 1990

DOCKET NO: 50-366

DATE: JANUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1	764
2	759
3	763
4	768
5	771
6	771
7	770
8	768
9	773
10	770
11	771
12	770
13	767
14	767
15	770
16	766
17	766
18	750
19	764
20	766
21	767
22	761
23	762
24	768
25	772
26	770
27	769
28	767
29	758
30	746
31	759

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO: 50-366

DATE: JANUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: DECEMBER 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.