

Georgia Power Company  
333 Piedmont Avenue  
Atlanta, Georgia 30303  
Telephone 404 526-2193

Mailing Address  
40 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, Alabama 35201  
Telephone 205 868-5581

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

*The Southern Electric System*

HL-1475  
000116

February 8, 1991

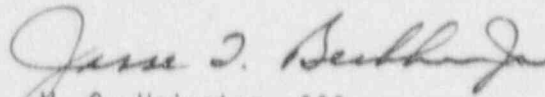
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

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

Gentlemen:

Enclosed are the January 1991 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

February 8, 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  
January 1991

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PLANT F. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: FEBRUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

JANUARY 1	0000	Shift was maintaining rated thermal power.
JANUARY 4	2239	Shift began reducing load to approximately 760 GMWe to complete a Control Rod Exercise on critical rods.
JANUARY 4	2259	Shift began returning the unit to rated thermal power.
JANUARY 11	2000	Shift began reducing load to approximately 760 GMWe to complete a Control Rod Exercise on critical rods.
JANUARY 11	2020	Shift began returning the unit to rated thermal power.
JANUARY 14	1610	Shift began reducing load to approximately 660 GMWe to remove the "A" Plant Service Water Pump from service. The "B" Plant Service Water Pump was out of service for maintenance.
JANUARY 14	1105	Shift began returning the unit to rated thermal power in increments of 10 MWe while monitoring temperatures on the Plant Service Water System.
JANUARY 18	1500	The unit experienced an automatic reactor scram when a ground fault occurred on an offsite transmission line and resulted in a generator trip and subsequent turbine trip.
JANUARY 20	0405	Shift began control rod withdrawal.
JANUARY 20	0953	Shift brought the reactor critical.
JANUARY 21	0034	Shift tied the generator to the grid and began ascension to rated thermal power.
JANUARY 21	1750	Shift attained rated thermal power.
JANUARY 25	0928	Shift began reducing load to approximately 760 GMWe to remove the "A" 7th Feedwater Heater from service in order to facilitate repair of the low level control valve for the "C/D" Moisture Separator Reheaters 1st Stage Drain Tank.
JANUARY 25	1225	Shift began returning the unit to rated thermal power.
JANUARY 25	2305	Shift began reducing load to approximately 700 GMWe for Turbine Control Valve and Turbine Bypass Valve Testing.
JANUARY 26	0203	Shift began returning the unit to rated thermal power.
JANUARY 31	2400	Shift is maintaining rated thermal power.

OPERATING DATA REPORT

DOCKET NO.: 50-321  
 DATE: FEBRUARY 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: JANUARY 1991  
 3. LICENSED THERMAL POWER (twt): 2436  
 4. NAMEPLATE RATING (GROSS MWe): 850  
 5. DESIGN ELECTRICAL RATING (NET MWe): 776.3  
 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWe): 774  
 7. MAXIMUM DEPENDABLE CAPACITY (NET MWe): 741  
 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS:  
 Maximum Dependable Capacities for 1991 are 774 MWe (Gross) and 741 MWe (Net).  
 The values were determined by Southern Company Services from 1990 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	132239
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	701.1	701.1	96248.7
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	686.4	686.4	91746.5
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	1652276	1652276	202565723
17. GROSS ELECTRICAL ENERGY GENERATED (MWh):	527520	527520	65297380
18. NET ELECTRICAL ENERGY GENERATED (MWh):	504159	504159	62084327
19. UNIT SERVICE FACTOR:	92.3%	92.3%	69.4%
20. UNIT AVAILABILITY FACTOR:	92.3%	92.3%	69.4%
21. UNIT CAPACITY FACTOR (USING MDC NET):	91.4%	91.4%	62.6%
22. UNIT CAPACITY FACTOR (USING DER NET):	87.3%	87.3%	60.2%
23. UNIT FORCED OUTAGE RATE:	7.7%	7.7%	13.4%
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

JANUARY 1991

DOCKET NO.: 50-321

DATE: FEBRUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1 .....	747
2 .....	748
3 .....	748
4 .....	748
5 .....	747
6 .....	745
7 .....	741
8 .....	748
9 .....	749
10 .....	748
11 .....	742
12 .....	744
13 .....	750
14 .....	740
15 .....	742
16 .....	743
17 .....	749
18 .....	463
19 .....	0
20 .....	0
21 .....	431
22 .....	742
23 .....	750
24 .....	753
25 .....	742
26 .....	745
27 .....	749
28 .....	747
29 .....	747
30 .....	743
31 .....	749

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: FEBRUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: JANUARY 1991

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
91-001	910118	F	57.6	A	3	1-91-001	EA	CKTBKR (X)	The unit experienced an automatic reactor scram when a ground fault occurred on an offsite transmission line due to failure of the conductor. A breaker in the 230 KV switchyard failed to open as required to clear the fault. This led to a generator trip and subsequent turbine trip.

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  
January 1991

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PLANT E. I. HATCH - UNIT TWO  
NARRATIVE REPORT

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

JANUARY 1	0000	Shift was maintaining rated thermal power.
JANUARY 26	2315	Shift began reducing load to approximately 700 GMWe for Turbine Control Valve and Turbine Bypass Valve Testing.
JANUARY 27	0221	Shift began returning the unit to rated thermal power.
JANUARY 31	2400	Shift is maintaining rated thermal power.

OPERATING DATA REPORT

DOCKET NO: 50-366  
 DATE: FEBRUARY 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: JANUARY 1991  
 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): 794  
 7. MAXIMUM DEPENDABLE CAPACITY (NET MWe): 761  
 8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: NO CHANGES  
 Maximum Dependable Capacities for 1991 are 794 MWe (Gross) and 761 MWe (Net).  
 The values were determined by Southern Company Services from 1990 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	99365
12. NUMBER OF HOURS REACTOR WAS CRITICAL :	744.0	744.0	74826.7
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	744.0	744.0	71906.0
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	1806504	1806504	158100097
17. GROSS ELECTRICAL ENERGY GENERATED (MWhe):	596130	596130	51875750
18. NET ELECTRICAL ENERGY GENERATED (MWhe):	570503	570503	49394618
19. UNIT SERVICE FACTOR:	100.0%	100.0%	72.0%
20. UNIT AVAILABILITY FACTOR:	100.0%	100.0%	72.0%
21. UNIT CAPACITY FACTOR (USING MDC NET):	100.8%	100.8%	64.7%
22. UNIT CAPACITY FACTOR (USING DER NET):	97.8%	97.8%	63.1%
23. UNIT FORCED OUTAGE RATE:	0.0%	0.0%	7.6%
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  
JANUARY 1991

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

DAY	Net MWe
1 .....	765
2 .....	766
3 .....	764
4 .....	763
5 .....	766
6 .....	764
7 .....	761
8 .....	769
9 .....	771
10 .....	767
11 .....	763
12 .....	766
13 .....	771
14 .....	771
15 .....	765
16 .....	763
17 .....	770
18 .....	770
19 .....	769
20 .....	769
21 .....	770
22 .....	771
23 .....	771
24 .....	770
25 .....	770
26 .....	770
27 .....	759
28 .....	767
29 .....	766
30 .....	760
31 .....	765

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO: 50-366

DATE: FEBRUARY 4, 1991

COMPLETED BY: R. M. BEARD

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: JANUARY 1991

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.