

Georgia Power Company  
40 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, Alabama 35201  
Telephone 205-877-7279



Georgia Power

the standard electrical system

J. T. Beckham, Jr.  
Vice President—Nuclear  
Hatch Project

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December 13, 1991

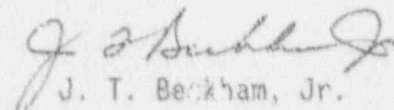
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

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

Gentlemen:

Enclosed are the November 1991 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 the requirements of Technical Specifications Section 6.9.1.10.

Sincerely,

  
J. T. Beckham, Jr.

SRP/sp

Enclosures:

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

c: (See next page.)

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U.S. Nuclear Regulatory Commission

December 13, 1991

Page Two

c: Georgia Power Company

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

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. Ebner, Regional Administrator

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

ENCLOSURE 1

PLANT HATCH UNIT 1  
NRC DOCKET 50-321  
MONTHLY OPERATING REPORT  
November 1991

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## PLANT E. I. HATCH - UNIT ONE

## NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: DECEMBER 3, 1991

COMPLETED BY: A. R. OWENS

TELEPHONE: (912) 367-7781 x2878

NOVEMBER 1	0000	Personnel continued activities associated with the 13th Refueling and Maintenance Outage.
NOVEMBER 2	2225	Personnel completed reloading the reactor core.
NOVEMBER 21	2358	Shift began withdrawing control rods to bring the reactor critical.
NOVEMBER 22	0238	The reactor achieved critical status.
NOVEMBER 26	1539	The reactor was manually scrammed to facilitate repair of leaks in the drywell.
NOVEMBER 28	0937	Shift began withdrawing control rods to bring the reactor critical.
NOVEMBER 28	1123	The reactor achieved critical status.
NOVEMBER 29	1801	The generator was tied to the grid.
NOVEMBER 30	0015	Shift removed the generator from the grid for Turbine Overspeed Trip Testing.
NOVEMBER 30	0124	Shift tied the generator to the grid and began ascension to rated thermal power.
NOVEMBER 30	2400	Personnel continued activities associated with ascension to rated thermal power.

OPERATING DATA REPORT

DOCKET NO.: 50-321  
 DATE: DECEMBER 3, 1991  
 COMPLETED BY: A. R. OWENS  
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

- |  |                        |
|--|------------------------|
| 1. UNIT NAME:  | E. I. HATCH - UNIT ONE |
| 2. REPORT PERIOD:  | NOVEMBER 1991          |
| 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):  | 774                    |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):  | 741                    |
| 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:	720.0	8016	139511
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	169.6	6046.3	101593.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	28.8	5789.0	96849.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWt):	35326	13800940	214714388
17. GROSS ELECTRICAL ENERGY GENERATED (MWh <sub>e</sub> ):	4870	4359090	69128950
18. NET ELECTRICAL ENERGY GENERATED (MWh <sub>e</sub> ):	-2730	4147714	55727882
19. UNIT SERVICE FACTOR:	4.0%	72.2%	69.4%
20. UNIT AVAILABILITY FACTOR:	4.0%	72.2%	69.4%
21. UNIT CAPACITY FACTOR (USING MDC NET):	0.0%	69.8%	62.8%
22. UNIT CAPACITY FACTOR (USING DER NET):	0.0%	66.7%	60.4%
23. UNIT FORCED OUTAGE RATE:	0.0%	7.6%	13.1%
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

NOVEMBER 1991

DOCKET NO.: 50-321

DATE: DECEMBER 3, 1991

COMPLETED BY: A. R. OWENS

TELEPHONE: (912) 357-7781 x2878

DAY	Net MWe
1 .....	0
2 .....	0
3 .....	0
4 .....	0
5 .....	0
6 .....	0
7 .....	0
8 .....	0
9 .....	0
10 .....	0
11 .....	0
12 .....	0
13 .....	0
14 .....	0
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 .....	9
30 .....	159

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: C. I. MATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: DECEMBER 3, 1991

COMPLETED BY: A. R. OWENS

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: NOVEMBER 1991

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSCDME	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
91-008	910917	S	690.0	C	4	N/A	RC	FUELXX	The unit was shut down for the 13th Refueling Outage.
91-009	911130	S	1.2	B	5	N/A	HA	TURBIN	The generator was removed from the grid for Turbine Overspeed Trip Testing.

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  
November 1991

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PLANT E. I. HATCH - UNIT TWO

NARRATIVE REPORT

DOCKET NO: 50-366  
DATE: DECEMBER 3, 1991  
COMPLETED BY: A. R. OWENS  
TELEPHONE: (912) 367-7781 x2878

NOVEMBER 1 0000 Shift continued to maintain rated thermal power.

NOVEMBER 2 2117 Shift reduced load to approximately 700 GMWe to perform Turbine Control Valve Testing, Turbine Bypass Valve Testing, and a Control Rod Drive Exercise for high-worth rods.

NOVEMBER 2 2350 The unit was returned to rated thermal power.

NOVEMBER 30 2300 Shift reduced load to approximately 700 GMWe to perform Turbine Control Valve Testing, Turbine Bypass Valve Testing, and a Control Rod Drive Exercise for high-worth rods.

NOVEMBER 30 2400 Shift continued to operate at a reduced power level while performing required testing activities.

OPERATING DATA REPORT

DOC' I NO: 50-366  
 DATE: DECEMBER 3, 1991  
 COMPLETED BY: A. R. OWENS  
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS:

- |   |                        |
|---|------------------------|
| 1. UNIT NAME:   | E. I. HATCH - UNIT TWO |
| 2. REPORTING PERIOD:  | NOVEMBER 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):   | 751                    |
| 8. IF CHANGES OCCUR IN CAPACITY RATING (ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: | NO CHANGES             |
| 9. POWER LEVEL TO WHICH RESTRICTED (NET MWe):   | NO RESTRICTIONS        |
| 10. REASONS FOR RESTRICTION, IF ANY:  | N/A                    |

	MONTH	YEAR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	720.0	8016	107137
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	0.0	6034.8	80117.5
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	720.0	5913.6	77075.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (Mwht):	1751928	14059839	170353432
17. GROSS ELECTRICAL ENERGY GENERATED (Mwhe):	575190	4567370	55846990
18. NET ELECTRICAL ENERGY GENERATED (Mwhe):	551839	4355122	53179237
19. UNIT SERVICE FACTOR:	100.0%	73.8%	71.9%
20. UNIT AVAILABILITY FACTOR:	100.0%	73.8%	71.9%
21. UNIT CAPACITY FACTOR (USING MDC NET):	100.7%	71.4%	64.9%
22. UNIT CAPACITY FACTOR (USING DER NET):	97.8%	69.3%	63.3%
23. UNIT FORCED OUTAGE RATE:	0.0%	5.0%	7.5%
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 TWO  
AVERAGE DAILY POWER LEVEL  
NOVEMBER 1991

DOCKET NO: 50-726  
DATE: DECEMBER 3, 1991  
COMPLETED BY: A. R. OWENS  
TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1 .....	759
2 .....	757
3 .....	769
4 .....	772
5 .....	772
6 .....	770
7 .....	770
8 .....	771
9 .....	770
10 .....	769
11 .....	769
12 .....	770
13 .....	770
14 .....	769
15 .....	766
16 .....	766
17 .....	763
18 .....	763
19 .....	760
20 .....	757
21 .....	756
22 .....	764
23 .....	766
24 .....	770
25 .....	772
26 .....	772
27 .....	772
28 .....	770
29 .....	764
30 .....	755

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO: 50-366

DATE: DECEMBER 3, 1991

COMPLETED BY: A. R. OWENS

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: NOVEMBER 1991

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