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Georgia Power
the southern electric system

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

December 15, 1995

Docket Nos. 50-321
50-366

HL-5085

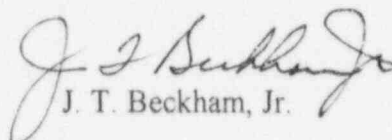
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Edwin I. Hatch Nuclear Plant
Monthly Operating Reports

Gentlemen:

Enclosed are the November 1995 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,


J. T. Beckham, Jr.

SRP/sp

Enclosures:

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

cc: (See next page.)

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U. S. Nuclear Regulatory Commission
December 15, 1995

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cc: Georgia Power Company

Mr. H. L. Sumner, 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. S. D. Ebnetter, Regional Administrator

Mr. B. L. Holbrook, Senior Resident Inspector - Hatch

Utility Data Institute, Inc.

Mr. Fred Yost, Director - Research Services

Enclosure 1

Plant Hatch Unit 1
Monthly Operating Report
November 1995

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PLANT E. I. HATCH - UNIT ONE
NARRATIVE REPORT

DOCKET NO.: 50-321
DATE: DECEMBER 4, 1995
COMPLETED BY: S. B. ROGERS
TELEPHONE: (912) 367-7781 x2878

NOVEMBER 1 0000 Shift continued to maintain rated thermal power.

NOVEMBER 4 2120 Shift began reducing load to approximately 710 GMWe to perform Control Rod Drive Exercises on selected control rod drives.

NOVEMBER 5 0100 The unit attained rated thermal power.

NOVEMBER 7 0019 Shift began reducing load to approximately 650 GMWe when an electrical ground was received on 600 Volt Bus "B", resulting in a trip of Feedwater Heater Drain Pump "B".

NOVEMBER 7 0100 Shift began ascension to rated thermal power. Fuel preconditioning measures were implemented to prevent fuel degradation during ascension to rated thermal power.

NOVEMBER 7 0407 The unit attained rated thermal power.

NOVEMBER 11 0050 Shift began reducing load to approximately 715 GMWe to perform Control Rod Drive exercises on selected control rod drives.

NOVEMBER 11 0212 Shift began ascension to rated thermal power. Fuel preconditioning measures were implemented to prevent fuel degradation during ascension to rated thermal power.

NOVEMBER 11 0317 The unit attained rated thermal power.

NOVEMBER 17 2138 Shift began reducing load to approximately 730 GMWe to perform Control Rod Drive exercises on selected control rod drives.

NOVEMBER 18 0030 The unit attained rated thermal power.

NOVEMBER 24 0725 Shift began reducing load to approximately 530 GMWe to perform Control Rod Drive exercises on selected control rod drives and a rod pattern adjustment.

NOVEMBER 24 1410 Shift began ascension to rated thermal power. Fuel preconditioning measures were implemented to prevent fuel degradation during ascension to rated thermal power.

NOVEMBER 26 0230 The unit attained rated thermal power.

NOVEMBER 30 2400 Shift continued to maintain rated thermal power.

OPERATING DATA REPORT

DOCKET NO.: 50-321
 DATE: DECEMBER 4, 1995
 COMPLETED BY: S. B. ROGERS
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

- | | |
|---|------------------------|
| 1. UNIT NAME: | E. I. HATCH - UNIT ONE |
| 2. REPORT PERIOD: | NOVEMBER 1995 |
| 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	174575
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	720.0	8016.0	133657.6
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	720.0	8016.0	128516.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	1729291	19037137	290089476
17. GROSS ELECTRICAL ENERGY GENERATED (MWhe):	568001	6199950	93312266
18. NET ELECTRICAL ENERGY GENERATED (MWhe):	543481	5931569	88829275
19. UNIT SERVICE FACTOR:	100.0%	100.0%	73.6%
20. UNIT AVAILABILITY FACTOR:	100.0%	100.0%	73.6%
21. UNIT CAPACITY FACTOR (USING MDC NET):	101.9%	99.9%	68.0%
22. UNIT CAPACITY FACTOR (USING DER NET):	97.2%	95.3%	65.3%
23. UNIT FORCED OUTAGE RATE:	0.0%	0.0%	10.7%
24. SHUTDOWNS SCHEDULED OVER THE NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	42 Day Refueling Outage tentatively scheduled for March 23, 1996.		
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 1995

DOCKET NO.: 50-321
DATE: DECEMBER 4, 1995
COMPLETED BY: S. B. ROGERS
TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1	755
2	754
3	756
4	755
5	767
6	759
7	750
8	767
9	769
10	765
11	757
12	770
13	769
14	768
15	770
16	770
17	762
18	769
19	766
20	766
21	765
22	768
23	768
24	615
25	643
26	767
27	764
28	760
29	760
30	767

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: DECEMBER 4, 1995

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: NOVEMBER 1995

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 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
November 1995

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PLANT E. A. SWAIN - UNIT TWO

NARRATIVE REPORT

DOCKET NO: 50-366

DATE: DECEMBER 4, 1995

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

NOVEMBER 1 0000 Activities associated with the 12th Refueling Outage continued.

NOVEMBER 18 1308 Shift began withdrawing control rods for unit startup.

NOVEMBER 18 1744 Shift brought the reactor critical.

NOVEMBER 21 0423 Shift tied the Main Generator to the grid.

NOVEMBER 21 0435 The Main Turbine tripped on Moisture Separator Reheater high level.

NOVEMBER 21 0745 Shift tied the Main Generator to the grid.

NOVEMBER 21 1158 Shift removed the Main Generator from the grid for Turbine overspeed trip testing.

NOVEMBER 21 1245 Shift tied the Main Generator to the grid and began ascension to 35% of rated thermal power to perform scram time testing.

NOVEMBER 21 1655 The unit attained 35% of rated thermal power.

NOVEMBER 22 0212 Shift began reducing load to approximately 240 GMWe to remove 4th Stage Feedwater Heater "A" from service to isolate a leak from the 1st stage of Moisture Separator Reheater "B".

NOVEMBER 22 0300 Shift began ascension to 35% of rated thermal power to resume scram time testing.

NOVEMBER 22 0335 The unit attained 35% of rated thermal power.

NOVEMBER 22 2150 Shift began ascension to 95% of rated thermal power with Startup and Power Uprate Testing in progress.

NOVEMBER 27 0240 The unit attained 95% of rated thermal power.

NOVEMBER 27 0535 Shift began reducing load to approximately 610 GMWe when a relay failed causing extraction steam to 4th Stage Feedwater Heater "A" to be isolated.

NOVEMBER 27 1314 Shift began ascension to 95% of rated thermal power. Fuel preconditioning measures were implemented to prevent fuel degradation during ascension.

NOVEMBER 27 2153 The unit attained 95% of rated thermal power.

NOVEMBER 28 0200 Shift began reducing load to approximately 500 GMWe to remove Reactor Feed Pump "A" from service and repair its linear variable differential transducer.

PLANT E. I. HATCH - UNIT TWO
NARRATIVE REPORT

DOCKET NO: 50-366
DATE: DECEMBER 4, 1995
COMPLETED BY: S. B. ROGERS
TELEPHONE: (912) 367-7781 x2878

NOVEMBER 28 1145 Shift placed Reactor Feed Pump "A" in service.

NOVEMBER 28 1148 Shift began reducing load to approximately 575 GMWe to remove Reactor Feed Pump "B" from service and repair a flange leak.

NOVEMBER 28 1225 Shift began ascension to 490 GMWe.

NOVEMBER 28 1231 The unit attained 490 GMWe, and repairs were completed on Reactor Feed Pump "B".

NOVEMBER 29 0320 Shift began ascension to 75% of rated thermal power while performing a capacity test on Reactor Feed Pump "A".

NOVEMBER 29 0438 The unit attained 75% of rated thermal power.

NOVEMBER 29 0452 Shift began reducing load to approximately 630 GMWe, following completion of capacity test on Reactor Feed Pump "A".

NOVEMBER 29 0542 Shift began ascension to 75% of rated thermal power.

NOVEMBER 29 0557 The unit attained 75% of rated thermal power, and an Electrohydraulic Pressure Regulator Test was performed.

NOVEMBER 29 1112 Shift began reducing load to approximately 485 GMWe to perform a Rod Pattern Adjustment.

NOVEMBER 29 1532 Shift began ascension to 95% of rated thermal power with Power Uprate Testing in progress. Fuel preconditioning measures were implemented to prevent fuel degradation during ascension.

NOVEMBER 30 0805 The unit attained 95% of rated thermal power.

NOVEMBER 30 2400 The unit continued to maintain 95% of rated thermal power.

OPERATING DATA REPORT

DOCKET NO: 50-366
 DATE: DECEMBER 4, 1995
 COMPLETED BY: S. B. ROGERS
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS:

- | | |
|---|------------------------|
| 1. UNIT NAME: | E. I. HATCH - UNIT TWO |
| 2. REPORTING PERIOD: | NOVEMBER 1995 |
| 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): | 798 |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET MWe): | 765 |
| 8. IF CHANGES OCCUR IN CAPACITY RATINGS
(ITEMS 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: | |

Licensed Thermal Power (Item #3) was increased from 2436 to 2558 Mwt due to Power Uprate.

- | | |
|---|-----------------|
| 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	142201
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	295.3	6377.8	109737.6
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	232.7	6145.4	105906.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	375096	14223697	234484621
17. GROSS ELECTRICAL ENERGY GENERATED (MWh):	116845	4661075	76799125
18. NET ELECTRICAL ENERGY GENERATED (MWh):	105537	4441331	73147146
19. UNIT SERVICE FACTOR:	32.3%	76.7%	74.5%
20. UNIT AVAILABILITY FACTOR:	32.3%	76.7%	74.5%
21. UNIT CAPACITY FACTOR (USING MDC NET):	19.2%	72.4%	67.3%
22. UNIT CAPACITY FACTOR (USING DER NET):	18.7%	70.7%	65.6%
23. UNIT FORCED OUTAGE RATE:	1.3%	6.8%	7.0%
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 1995

DOCKET NO: 50-366
DATE: DECEMBER 4, 1995
COMPLETED BY: S. B. ROGERS
TELEPHONE: (912) 367-7781 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	112
22	225
23	359
24	378
25	389
26	577
27	681
28	494
29	629
30	769

UNIT SHUTDOWNS AND POWER REDUCTIONS
 UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO: 50-366
 DATE: DECEMBER 4, 1995
 COMPLETED BY: S. B. ROGERS
 TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: NOVEMBER 1995

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
95-006	950923	S	227.0	C	4	N/A	RC	FUELXX	Activities associated with the 12th Refueling Outage continued.
95-007	951110	F	256.4	C	4	N/A	CJ	ELECON VALVEX (E)	Deficiencies related to the remote shutdown panel were identified. Components were reviewed in detail and corrected. Couplings damaged due to increase in actuator torque setting. Modified couplings to improve performance.

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 TWO

DOCKET NO: 50-366

DATE: DECEMBER 4, 1995

COMPLETED BY: S. B. ROGERS

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: NOVEMBER 1995

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
95-008	951121	F	3.1	G	9	N/A	HJ	HTEXCH (X)	The Main Turbine tripped on Moisture Separator Reheater high level. A motor operated valve in the high level drain line was found closed. System valve line up was rechecked.
95-009	951121	S	0.8	B	5	N/A	HA	TURBIN	The generator was removed from the grid for Turbine overspeed trip testing.
95-010	951128	F	0.0	A	5	N/A	CH	INSTRU (C)	Unit load was reduced to approximately 500 GMWe to remove the Reactor Feed Pump "A" from service and repair the linear variable differential transducer.

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
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4-CONTINUATIONS
5-LOAD REDUCTION
9-OTHER (EXPLAIN)

EVENTS REPORTED INVOLVE A GREATER THAN 20% REDUCTION IN AVERAGE DAILY POWER LEVEL FOR THE PRECEEDING 24 HOURS.