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



June 10, 1993

Docket Nos. 50-321
50-366

HL-3348
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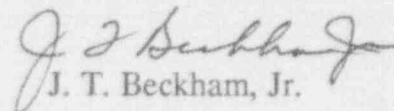
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Plant Hatch - Units 1, 2
Operating Licenses DPR-57, NPF-5
Monthly Operating Reports

Gentlemen:

Enclosed are the May 1993 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

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June 10, 1993

c: Georgia Power Company
Mr. H. L. Sumner, General Manager - Nuclear Plant
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

Utility Data Institute, Inc.
Mr. Fred Yost, Director - Research Services

Enclosure 1

Plant Hatch Unit 1
NRC Docket 50-321
Monthly Operating Report
May 1993

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: JUNE 3, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

MAY 1	0000	Activities associated with the 14th Refueling Outage continued.
MAY 12	2111	Shift began withdrawing control rods for unit startup.
MAY 12	2310	Shift brought the reactor critical.
MAY 14	0535	An automatic reactor scram occurred when the Reactor Mode Switch was placed in the RUN position. Investigation revealed that three Reactor Protection System logic channels were tripped because 11 of 16 fuses in the 8 Main Steam Isolation Valve (MSIV) position monitoring circuits were blown. It appears the replacement of the MSIV limit switches completed during the refueling outage resulted in the blown fuses.
MAY 15	0004	Shift began withdrawing control rods for unit startup.
MAY 15	0202	Shift brought the reactor critical.
MAY 16	1329	Shift tied the unit to the grid.
MAY 16	1737	Shift removed the generator from the grid to perform Turbine Overspeed Trip Testing.
MAY 16	1835	Shift tied the unit to the grid and initiated ascension to rated thermal power.
MAY 19	0420	Rated thermal power was attained.
MAY 24	1410	Shift began reducing load to approximately 400 GMWe to repair the solenoid valve on MSIV 1B21-F028C, Reactor Feed Pump check valve 1N21-F002B, and a packing leak on Circulating Water Pump 1N71-C001A.
MAY 25	1417	Shift began ascension to rated thermal power.
MAY 26	0516	Rated thermal power was attained.
MAY 31	2400	Shift continued to maintain rated thermal power.

OPERATING DATA REPORT

DOCKET NO.: 50-321
 DATE: JUNE 3, 1993
 COMPLETED BY: T. W. TIDWELL
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

1. UNIT NAME:	E. I. HATCH - UNIT ONE
2. REPORT PERIOD:	MAY 1993
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):	770
7. MAXIMUM DEPENDABLE CAPACITY (NET MWe):	737
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:	744.0	3623	152662
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	430.8	2215.0	113119.1
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	369.6	2153.8	108194.2
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	797371	5115669	241862018
17. GROSS ELECTRICAL ENERGY GENERATED (MWhe):	247660	1631740	77778140
18. NET ELECTRICAL ENERGY GENERATED (MWhe):	231981	1549082	73987159
19. UNIT SERVICE FACTOR:	49.7%	59.4%	70.9%
20. UNIT AVAILABILITY FACTOR:	49.7%	59.4%	70.9%
21. UNIT CAPACITY FACTOR (USING MDC NET):	42.3%	58.0%	64.7%
22. UNIT CAPACITY FACTOR (USING DER NET):	40.2%	55.1%	62.1%
23. UNIT FORCED OUTAGE RATE:	0.0%	0.0%	12.1%
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

MAY 1993

DOCKET NO.: 50-321

DATE: JUNE 3, 1993

COMPLETED BY: T. W. TIDWELL

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	19
17	181
18	365
19	719
20	744
21	747
22	752
23	747
24	621
25	489
26	729
27	744
28	744
29	744
30	743
31	743

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

REPORT MONTH: MAY 1993

DOCKET NO.: 50-321

DATE: JUNE 3, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
93-002	930316	S	373.5	C	4	N/A	RC	FUELXX	Activities associated with the 14th Refueling Outage continued.
93-003	930516	S	0.9	B	5	N/A	HA	TURBIN	The generator was removed from the grid for Turbine Overspeed Trip Testing.
93-004	930524	S	0.0	A	5	N/A	HB CH HF	VALVOP (E) VALVEX (C) PUMPXX	Unit load was reduced to approximately 400 GMWe to repair the solenoid valve on MSIV 1B21-F028C, Reactor Feedpump check valve 1N21-F002B, and a packing leak on Circulating Water Pump 1N71-C001A.

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
May 1993

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PLANT E. I. HATCH - UNIT TWO

NARRATIVE REPORT

DOCKET NO: 50-366

DATE: JUNE 3, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

MAY 1	0000	Shift continued to maintain approximately 560 GMWe to monitor offgas activity and fuel performance.
MAY 21	1845	Shift began reducing load to approximately 450 GMWe to perform Turbine Control Valve and Turbine Bypass Valve Testing.
MAY 21	1939	A manual reactor scram was initiated to comply with Technical Specifications requirements when both Reactor Recirculation Pumps tripped while Control Valve No. 2 was being tested. Investigation revealed that the Operator performing the Control Valve test procedure inadvertently placed the wrong Recirculation Pump Trip (RPT) logic switch in the INOP position. The RPT logic in a circuit not being tested was disabled, and the RPT logic in the circuit being tested remained active.
MAY 22	1333	Shift began withdrawing control rods for unit startup. Fuel preconditioning measures were implemented to prevent further fuel degradation.
MAY 22	1732	Shift brought the reactor critical.
MAY 23	0547	Shift tied the unit to the grid and initiated ascension to approximately 80% of rated thermal power.
MAY 25	1330	The unit attained 80% of rated thermal power.
MAY 28	2215	Shift began reducing load to approximately 370 GMWe to perform a rod pattern adjustment in preparation for ascension to approximately 85% of rated thermal power.
MAY 29	0138	Shift began withdrawing control rods and started ascension to approximately 85% of rated thermal power. Fuel preconditioning measures were implemented to prevent further fuel degradation.
MAY 30	2010	The unit attained approximately 85% of rated thermal power and 640 GMWe.
MAY 31	2400	Shift continued to maintain approximately 640 GMWe to monitor offgas activity and fuel performance.

OPERATING DATA REPORT

DOCKET NO: 50-366
 DATE: JUNE 3, 1993
 COMPLETED BY: T. W. TIDWELL
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS:

- | | |
|---|------------------------|
| 1. UNIT NAME: | E. I. HATCH - UNIT TWO |
| 2. REPORTING PERIOD: | MAY 1993 |
| 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): | 781 |
| 7. MAXIMUM DEPENDABLE CAPACITY (NET MWe): | 757 |
| 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): | APPROX. 640 GMWe |
| 10. REASONS FOR RESTRICTION, IF ANY: | |
| Management decision to maintain approximately 85% of rated thermal power to monitor offgas activity and fuel performance. | |

	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	744.0	3623	120288
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	722.1	2890.0	90756.3
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	709.9	2782.4	87272.2
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	1269413	5866420	193326593
17. GROSS ELECTRICAL ENERGY GENERATED (MWhe):	414140	1918200	63281570
18. NET ELECTRICAL ENERGY GENERATED (MWhe):	391424	1822516	60257500
19. UNIT SERVICE FACTOR:	95.4%	76.8%	72.6%
20. UNIT AVAILABILITY FACTOR:	95.4%	76.8%	72.6%
21. UNIT CAPACITY FACTOR (USING MDC NET):	69.5%	66.5%	65.6%
22. UNIT CAPACITY FACTOR (USING DER NET):	67.1%	64.2%	63.9%
23. UNIT FORCED OUTAGE RATE:	4.6%	23.2%	7.7%
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

MAY 1993

DOCKET NO: 50-366

DATE: JUNE 3, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

DAY	Net MWe
1	558
2	557
3	555
4	556
5	557
6	557
7	557
8	555
9	557
10	558
11	558
12	560
13	558
14	558
15	559
16	557
17	557
18	556
19	555
20	557
21	453
22	0
23	133
24	497
25	587
26	596
27	591
28	586
29	497
30	609
31	638

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

REPORT MONTH: MAY 1993

DOCKET NO: 50-366

DATE: JUNE 3, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

NO.	DATE	TYPE	DURATION (HOURS)	REASON	METHOD	LICENSEE EVENT REPORT NUMBER	SYSTEM CODE	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
93-003	930413	F	0.0	A	4	N/A	RC	FUELXX	Unit was operating at reduced load to monitor offgas activity and fuel performance.
93-004	930521	F	34.1	G	2	2-93-005	ZZ	N/A	A manual reactor scram was initiated when both Reactor Recirculation Pumps tripped. Investigation revealed that the Operator performing the Control Valve test procedure inadvertently placed the wrong RPT switch in the INOP position. The RPT logic in a circuit not being tested was disabled, and the RPT logic in the circuit being tested remained active.
93-005	930528	S	0.0	F	5	N/A	RC	FUELLXX	Unit load was reduced to approximately 370 GMWe to perform a rod pattern adjustment.

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.