

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

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



May 10, 1993

Docket Nos. 50-321
50-366

HL-3289
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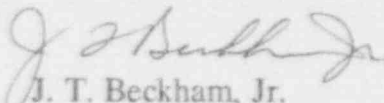
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

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

Gentlemen:

Enclosed are the April 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

May 10, 1993

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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
April 1993

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321

DATE: MAY 5, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (512) 367-7781 x2878

APRIL 1	0000	Activities associated with the 14th Refueling Outage continued.
APRIL 14	0515	Fuel reload into the reactor core began.
APRIL 18	2342	Reload of the reactor core was completed.
APRIL 30	2400	Activities associated with the 14th Refueling Outage continued.

OPERATING DATA REPORT

DOCKET NO.: 50-321
 DATE: MAY 5, 1993
 COMPLETED BY: T. W. TIDWELL
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

1. UNIT NAME: E. I. HATCH - UNIT ONE
 2. REPORT PERIOD: April 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:	719.0	2879	151918
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	0.0	1784.2	112688.3
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	0.0	1784.2	107824.7
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWh):	0	4318299	241064647
17. GROSS ELECTRICAL ENERGY GENERATED (MWh):	0	1384080	77530480
18. NET ELECTRICAL ENERGY GENERATED (MWh):	-4289	1317101	73755178
19. UNIT SERVICE FACTOR:	0.0%	62.0%	71.0%
20. UNIT AVAILABILITY FACTOR:	0.0%	62.0%	71.0%
21. UNIT CAPACITY FACTOR (USING MDC NET):	0.0%	62.1%	64.8%
22. UNIT CAPACITY FACTOR (USING DER NET):	0.0%	58.9%	62.2%
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: Startup tentatively scheduled for May 16, 1993			
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):			N/A

PLANT E. I. HATCH - UNIT ONE

AVERAGE DAILY POWER LEVEL

April 1993

DOCKET NO.: 50-321

DATE: MAY 5, 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	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	0
30	0

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT JNE

DOCKET NO.: 50-321

DATE: MAY 5, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: April 1993

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	719.0	C	4	N/A	RC	FUELXX	14th Refueling Outage.

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
April 1993

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PLANT E. I. HATCH - UNIT TWO

NARRATIVE REPORT

DOCKET NO: 50-366
 DATE: MAY 5, 1993
 COMPLETED BY: T. W. TIDWELL
 TELEPHONE: (912) 367-7781 x2878

APRIL 1	0000	Personnel continued activities associated with the repair of Main Steam Isolation Valve (MSIV) 2B21-F028C.
APRIL 5	1441	Shift began withdrawing control rods for unit startup.
APRIL 5	1608	Shift brought the reactor critical.
APRIL 6	1552	Shift tied the unit to the grid and initiated ascension to rated thermal power.
APRIL 9	0911	Rated thermal power was attained.
APRIL 13	1840	Shift began reducing load to approximately 415 GMWe by inserting control rods to minimize offgas release rates resulting from a leaking fuel bundle and to facilitate Flux Tilt Testing.
APRIL 23	1753	Flux Tilt Testing identified the probable location of the leaking fuel bundle. Control Rod 46-23 was fully inserted to position "00" to suppress the leak.
APRIL 25	2023	Shift inserted control rod 46-19 from position "48" to position "00" to help suppress the local power level in the vicinity of the leaking fuel bundle.
APRIL 26	1834	Shift inserted control rod 50-23 from position "48" to position "00" to further suppress the local power level in the vicinity of the leaking fuel bundle.
APRIL 28	1905	Shift began power ascension to approximately 550 GMWe utilizing recirculation flow. Fuel preconditioning measures were implemented to prevent further fuel degradation.
APRIL 29	1315	The unit attained approximately 550 GMWe.
APRIL 30	2400	Shift continued to maintain approximately 550 GMWe to monitor offgas activity and fuel performance.

OPERATING DATA REPORT

DOCKET NO: 50-366
 DATE: MAY 5, 1993
 COMPLETED BY: T. W. TIDWELL
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS:

1. UNIT NAME: E. I. HATCH - UNIT TWO
2. REPORTING PERIOD: April 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. 568 MWe
10. REASONS FOR RESTRICTION, IF ANY:
 Management decision to maintain approximately 75% of rated thermal power to monitor offgas activity and fuel performance.

	THIS MONTH	YEAR-TO-DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	719.0	2879	119544
12. NUMBER OF HOURS REACTOR WAS CRITICAL:	607.9	2167.9	90034.2
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE:	584.1	2072.6	86562.3
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWht):	984042	4597007	192057180
17. GROSS ELECTRICAL ENERGY GENERATED (MWhe):	311300	1504060	62867430
18. NET ELECTRICAL ENERGY GENERATED (MWhe):	293544	1431092	59866076
19. UNIT SERVICE FACTOR:	81.2%	72.0%	72.4%
20. UNIT AVAILABILITY FACTOR:	81.2%	72.0%	72.4%
21. UNIT CAPACITY FACTOR (USING MDC NET):	53.9%	65.7%	65.6%
22. UNIT CAPACITY FACTOR (USING DER NET):	52.1%	63.4%	63.9%
23. UNIT FORCED OUTAGE RATE:	18.8%	28.0%	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

April 1993

DOCKET NO: 50-366

DATE: MAY 5, 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	42
7	354
8	667
9	759
10	774
11	775
12	773
13	748
14	503
15	395
16	410
17	412
18	412
19	411
20	412
21	416
22	416
23	410
24	409
25	417
26	417
27	422
28	436
29	550
30	556

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO: 50-366

DATE: MAY 5, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: April 1993

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 P P E D M E	COMPONENT CODE (SUBCODE)	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
93-002	930304	F	134.9	A	4	N/A	RC	FUELXX	The unit was shut down to identify and remove the leaking fuel bundle from the core and inspect other fuel bundles.
93-003	930413	F	0.0	A	5	N/A	RC	FUELXX	Unit load was reduced to approximately 415 GMWe to minimize offgas release rates resulting from a leaking fuel bundle and to locate the leaking fuel bundle utilizing Flux Tilt 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.