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



April 8, 1993

Docket Nos. 50-321
50-366

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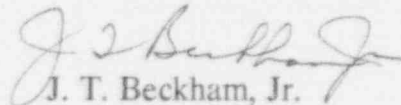
U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

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

Gentlemen:

Enclosed are the March 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
April 8, 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
March 1993

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PLANT E. I. HATCH - UNIT ONE

NARRATIVE REPORT

DOCKET NO.: 50-321
DATE: APRIL 2, 1993
COMPLETED BY: T. W. TIDWELL
TELEPHONE: (912) 367-7781 x2878

| | | |
|----------|------|--|
| MARCH 1 | 0000 | Shift continued to maintain rated thermal power. |
| MARCH 3 | 0450 | The unit entered End-of-Cycle Coastdown. |
| MARCH 16 | 0208 | Shift began reducing load to shut down the unit for refueling. |
| MARCH 16 | 0745 | Shift began experiencing problems maintaining Main Condenser vacuum. |
| MARCH 16 | 0812 | A manual reactor scram was initiated because of problems maintaining Main Condenser vacuum. The unit entered the 14th Refueling Outage when the generator was removed from the grid. |
| MARCH 31 | 2400 | Personnel continued activities associated with the 14th Refueling Outage. |

OPERATING DATA REPORT

DOCKET NO.: 50-321
 DATE: APRIL 2, 1993
 COMPLETED BY: T. W. TIDWELL
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS

| | |
|---|------------------------|
| 1. UNIT NAME: | E. I. HATCH - UNIT ONE |
| 2. REPORT PERIOD: | March 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 | 2160 | 151199 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL: | 368.2 | 1784.2 | 112688.3 |
| 13. REACTOR RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 14. HOURS GENERATOR ON LINE: | 368.2 | 1784.2 | 107824.7 |
| 15. UNIT RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GENERATED (MWht): | 873027 | 4318299 | 241064647 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWhe): | 279280 | 1384080 | 77530480 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWhe): | 263811 | 1321390 | 73759467 |
| 19. UNIT SERVICE FACTOR: | 49.5% | 82.6% | 71.3% |
| 20. UNIT AVAILABILITY FACTOR: | 49.5% | 82.6% | 71.3% |
| 21. UNIT CAPACITY FACTOR (USING MDC NET): | 48.1% | 83.0% | 65.1% |
| 22. UNIT CAPACITY FACTOR (USING DER NET): | 45.7% | 78.8% | 62.5% |
| 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

March 1993

DOCKET NO.: 50-321

DATE: APRIL 2, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

| DAY | Net MWe |
|----------|---------|
| 1 | 749 |
| 2 | 747 |
| 3 | 738 |
| 4 | 737 |
| 5 | 738 |
| 6 | 736 |
| 7 | 733 |
| 8 | 727 |
| 9 | 722 |
| 10 | 720 |
| 11 | 721 |
| 12 | 716 |
| 13 | 712 |
| 14 | 713 |
| 15 | 712 |
| 16 | 183 |
| 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 |
| 31 | 0 |

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT ONE

DOCKET NO.: 50-321

DATE: APRIL 2, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: March 1993

| NO. | DATE | TYPE | DURATION (HOURS) | REASON | METHOD | LICENSEE EVENT REPORT NUMBER | SYSTEM CODE | COMPONENT CODE (SUBCODE) | CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE |
|--------|--------|------|---------------------|--------|--------|---------------------------------------|----------------|--------------------------------|--|
| 93-001 | 930316 | S | 0.0 | C | 1 | N/A | RC | FUELXX | Shift began reducing reactor power to shut down the unit for a Refueling Outage. |
| 93-002 | 930316 | S | 375.8 | C | 2 | N/A | RC | FUELXX | The unit entered the 14th Refueling Outage when the generator was removed from the grid. |

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
March 1993

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| Unit Shutdowns and Power Reductions | E2-4 |

PLANT E. I. HATCH - UNIT TWO

NARRATIVE REPORT

DOCKET NO: 50-366
 DATE: APRIL 2, 1993
 COMPLETED BY: T. W. TIDWELL
 TELEPHONE: (912) 367-7781 x2878

| | | |
|----------|------|---|
| MARCH 1 | 0000 | Shift continued to maintain rated thermal power. |
| MARCH 3 | 0805 | Shift began reducing load to approximately 550 GMWe by inserting control rods to minimize offgas release rates resulting from a leaking fuel bundle. |
| MARCH 4 | 0025 | The generator was removed from the grid and the unit entered a Forced, Fuel Reconstitution Outage. |
| MARCH 4 | 0110 | A manual reactor scram was initiated in preparation for the Forced, Fuel Reconstitution Outage. |
| MARCH 27 | 1532 | Shift began withdrawing control rods for unit startup. |
| MARCH 27 | 1742 | Shift brought the reactor critical. |
| MARCH 27 | 2120 | Shift received "Seal Drain Enlarge Liquid Detector Full" alarm and then "Generator Casing Liquid Detector Full" alarm. Shift continued unit startup activities with the Main Steam Isolation Valves closed. Inspection of the seal on the No. 7 Turbine bearing revealed that the lower half of the seal was "cocked" and needed to be removed for further inspection/repair. |
| MARCH 29 | 0055 | Shift began inserting control rods to bring the reactor subcritical for repair of the Generator Hydrogen Seal. |
| MARCH 29 | 0837 | All control rods were inserted to position 00 "without a reactor scram" to maintain the reactor subcritical for repair of the Generator Hydrogen Seal. |
| MARCH 30 | 0405 | Shift began withdrawing control rods for unit startup. |
| MARCH 30 | 0700 | Shift brought the reactor critical. |
| MARCH 31 | 1210 | A severe packing leak was identified on Main Steam Isolation Valve 2B21-F028C. |
| MARCH 31 | 1601 | A manual reactor scram was initiated to bring the unit to cold shutdown for repair of MSIV 2B21-F028C. |
| MARCH 31 | 2400 | Personnel continued activities associated with the repair of MSIV 2B21-F028C. |

OPERATING DATA REPORT

DOCKET NO: 50-366
 DATE: APRIL 2, 1993
 COMPLETED BY: T. W. TIDWELL
 TELEPHONE: (912) 367-7781 x2878

OPERATING STATUS:

| | |
|---|------------------------|
| 1. UNIT NAME: | E. I. HATCH - UNIT TWO |
| 2. REPORTING PERIOD: | March 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): | NO RESTRICTIONS |
| 10. REASONS FOR RESTRICTION, IF ANY: | N/A |

| | THIS MONTH | YEAR-TO-DATE | CUMULATIVE |
|--|------------|--------------|------------|
| 11. HOURS IN REPORTING PERIOD: | 744.0 | 2160 | 118825 |
| 12. NUMBER OF HOURS REACTOR WAS CRITICAL: | 144.0 | 1560.0 | 89426.3 |
| 13. REACTOR RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 14. HOURS GENERATOR ON LINE: | 72.4 | 1488.4 | 85978.2 |
| 15. UNIT RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GENERATED (MWh _t): | 166395 | 3612965 | 191073138 |
| 17. GROSS ELECTRICAL ENERGY GENERATED (MWh _e): | 52730 | 1192760 | 62556130 |
| 18. NET ELECTRICAL ENERGY GENERATED (MWh _e): | 44126 | 1137548 | 59572532 |
| 19. UNIT SERVICE FACTOR: | 9.7% | 68.9% | 72.4% |
| 20. UNIT AVAILABILITY FACTOR: | 9.7% | 68.9% | 72.4% |
| 21. UNIT CAPACITY FACTOR (USING MDC NET): | 7.8% | 69.6% | 65.6% |
| 22. UNIT CAPACITY FACTOR (USING DER NET): | 7.6% | 67.2% | 63.9% |
| 23. UNIT FORCED OUTAGE RATE: | 90.3% | 31.1% | 7.6% |
| 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 April 5, 1993 | | | |
| 26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): | | | N/A |

PLANT E. I. HATCH - UNIT TWO

AVERAGE DAILY POWER LEVEL

March 1993

DOCKET NO: 50-366

DATE: APRIL 2, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

| DAY | Net MWe |
|----------|---------|
| 1 | 778 |
| 2 | 773 |
| 3 | 551 |
| 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 |
| 31 | 0 |

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME: E. I. HATCH - UNIT TWO

DOCKET NO: 50-366

DATE: APRIL 2, 1993

COMPLETED BY: T. W. TIDWELL

TELEPHONE: (912) 367-7781 x2878

REPORT MONTH: March 1993

| NO. | DATE | TYPE | DURATION (HOURS) | REASON | METHOD | LICENSEE EVENT REPORT NUMBER | SYSTEM CODE ME | COMPONENT CODE (SUBCODE) | CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE |
|--------|--------|------|---------------------|--------|--------|---------------------------------------|----------------------|--------------------------------|---|
| 93-001 | 930303 | F | 0.0 | A | 5 | N/A | RC | FUELXX | Unit load was reduced to approximately 550 GMWe to minimize offgas release rates resulting from a leaking fuel bundle. |
| 93-002 | 930304 | F | 671.6 | A | 1 | 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 for possible damage. |

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.