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April 7, 2003

Docket Nos.: 50-321
50-366

NL-03-0759

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

Edwin I. Hatch Nuclear Plant
Monthly Operating Reports

Ladies and Gentlemen:

Enclosed are the March 2003 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 5.6.4.

Respectfully submitted,

A handwritten signature in cursive script that reads "Lewis Sumner".

H. L. Sumner, Jr.

HLS/IL/dj

Enclosures:

1. March 2003 Monthly Operating Report for Plant Hatch Unit 1
2. March 2003 Monthly Operating Report for Plant Hatch Unit 2

cc: Southern Nuclear Operating Company
Mr. J. D. Woodard, Executive Vice President
Mr. P. H. Wells, General Manager – Plant Hatch
Document Services RTYPE: CHA02.004

U. S. Nuclear Regulatory Commission
Mr. L. A. Reyes, Regional Administrator
Mr. S. D. Bloom, NRR Project Manager – Hatch
Mr. N. P. Garrett, Acting Senior Resident Inspector – Hatch

Utility Data Institute, Inc.
Ms. Barbara Lewis - McGraw-Hill Companies

IE24

Enclosure 1

Plant Hatch Unit 1
Monthly Operating Report
March 2003

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OPERATING DATA REPORT

Docket No : 50-321
 Unit Name: E. I. Hatch Unit 1
 Date: April 1, 2003
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Operating Status

1. Reporting Period. MARCH 2003
 2. Design Electrical Rating (Net MWe): 870
 3. Maximum Dependable Capacity (Net MWe): 856

| | <u>This Month</u> | <u>Year To Date</u> | <u>Cumulative</u> |
|--|-------------------|---------------------|-------------------|
| 4. Number of Hours Reactor Was Critical: | 744.0 | 2,160.0 | 192,578.3 |
| 5. Hours Generator On Line: | 744.0 | 2,160.0 | 186,632.7 |
| 6. Unit Reserve Shutdown Hours: | 0.0 | 0.0 | 0.0 |
| 7. Net Electrical Energy Generated: | 649,166 | 1,879,003 | 136,410,251 |

CHALLENGES TO MAIN STEAM SAFETY / RELIEF VALVES

| Date (YYMMDD) | Tag No. | Event Description |
|------------------|---------|---------------------------|
| | | No challenges this month. |

UNIT SHUTDOWNS

Docket No.: 50-321
 Unit Name: E. I. Hatch Unit 1
 Date: April 1, 2003
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Reporting Period: MARCH 2003

| No | Date (YYMMDD) | Type F Forced S Scheduled | Duration (Hours) | Reason (1) | Method of Shutting Down (2) | Cause/Corrective Actions Comments |
|----|------------------|---------------------------------|---------------------|------------|-----------------------------------|--|
| | | | | | | No unit shutdowns occurred this month. |

(1) Reason:

- A-Equipment Failure (Explain)
- B-Maintenance or Test
- C-Refueling
- D-Regulatory Restriction
- E-Operator Training/License Examination
- F-Administrative
- G-Operational Error (Explain)
- H-Other (Explain)

(2) METHOD

- 1-Manual
- 2-Manual Trip/Scram
- 3-Automatic Trip/Scram
- 4-Continuation
- 5-Other (Explain)

CAUSE/CORRECTIVE ACTION/COMMENTS:

NARRATIVE REPORT

Unit 1 began the month of March operating at rated thermal power. Shift reduced load to approximately 870 GMWe (~2640 CMWT) on March 1 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to rated thermal power on March 2. Shift reduced load to approximately 870 GMWe (~2640 CMWT) on March 8 to perform control rod drive exercises and main turbine stop valve testing. The unit was returned to rated thermal power on March 9. Shift reduced load to approximately 870 GMWe (~2640 CMWT) on March 15 to perform control rod drive exercises. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 800 GMWe (~2530 CMWT) on March 22 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to rated thermal power on March 23. Shift reduced load to approximately 850 GMWe (~2600 CMWT) on March 29 to perform control rod drive exercises and main turbine valve testing. The unit was returned to rated thermal power on March 30. Shift maintained unit operation at rated thermal power for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2
Monthly Operating Report
March 2003

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OPERATING DATA REPORT

Docket No : 50-366
 Unit Name: E. I. Hatch Unit 2
 Date: April 1, 2003
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Operating Status

1. Reporting Period: MARCH 2003
 2. Design Electrical Rating (Net MWe): 894
 3. Maximum Dependable Capacity (Net MWe): 870

| | <u>This Month</u> | <u>Year To Date</u> | <u>Cumulative</u> |
|--|-------------------|---------------------|-------------------|
| 4. Number of Hours Reactor Was Critical: | 77.6 | 1,493.7 | 168,160.9 |
| 5. Hours Generator On Line: | 42.4 | 1,458.4 | 163,778.3 |
| 6. Unit Reserve Shutdown Hours: | 0.0 | 0.0 | 0.0 |
| 7. Net Electrical Energy Generated: | 11,804 | 1,247,882 | 121,865,784 |

CHALLENGES TO MAIN STEAM SAFETY / RELIEF VALVES

| Date (YYMMDD) | Tag No. | Event Description |
|------------------|---------|--------------------------|
| | | No challenges this month |

UNIT SHUTDOWNS

Docket No.: 50-366
 Unit Name: E. I. Hatch Unit 2
 Date: April 1, 2003
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Reporting Period: MARCH 2003

| No | Date (YYMMDD) | Type | | Duration (Hours) | Reason (1) | Method of Shutting Down (2) | Cause/Corrective Actions Comments |
|--------|------------------|-----------|--------------|---------------------|------------|-----------------------------------|---|
| | | F. Forced | S. Scheduled | | | | |
| 03-001 | 030301 | | S | 701.4 | C | 2 | The unit entered the 17th Refueling Outage when Shift manually tripped the Main Turbine. Shift inserted a manual scram thirty seven minutes later, following overspeed trip testing of the Main Turbine |
| 03-002 | 030330 | | S | 0.2 | B | 5 | Shift manually tripped the Main Turbine for testing of the Main Generator reverse power relay. |

(1) Reason:

- A-Equipment Failure (Explain)
- B-Maintenance or Test
- C-Refueling
- D-Regulatory Restriction
- E-Operator Training/License Examination
- F-Administrative
- G-Operational Error (Explain)
- H-Other (Explain)

(2) METHOD

- 1-Manual
- 2-Manual Trip/Scram
- 3-Automatic Trip/Scram
- 4-Continuation
- 5-Other (Explain)

CAUSE/CORRECTIVE ACTION/COMMENTS:

NARRATIVE REPORT

Shift manually tripped the Unit 2 Main Turbine at the beginning of March, to start the 17th Refueling Outage. Shift performed overspeed trip testing on the Main Turbine and inserted a manual scram later on March 1. Shift began unloading a predetermined number of fuel bundles on March 4 to facilitate in-vessel work and inspection. The initial fuel movements were completed on March 13. Shift began fuel shuffle on March 14 and the shuffle was completed on March 19. Shift began withdrawing control rods for unit startup on March 28 and brought the reactor critical later the same day. Shift tied the Main Generator to the grid on March 30, then manually tripped the Main Turbine for testing of the Main Generator reverse power relay. Shift re-tied the Main Generator to the grid on March 30 and began power ascension. The power ascension was halted at approximately 64.5% of rated thermal power on March 31, due to elevated temperatures on a condensate booster pump motor bearing. Shift maintained unit operation at approximately this power level for the remainder of the month.