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March 5, 2003

Docket Nos. 50-321  
50-366

NL-03-0538

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 February 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

Enclosures:

1. February Monthly Operating Report for Plant Hatch Unit 1
2. February 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. L. N. Olshan, 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  
February 2003

Table of Contents

	<u>Page</u>
Operating Data Report	E1-1
Unit Shutdowns and Power Reductions	E1-2

## OPERATING DATA REPORT

Docket No.: 50-321  
 Unit Name: E. I. Hatch Unit 1  
 Date: March 3, 2003  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

### Operating Status

1. Reporting Period: FEBRUARY 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:	672.0	1,416.0	191,834.3
5. Hours Generator On Line:	672.0	1,416.0	185,888.7
6. Unit Reserve Shutdown Hours:	0 0	0.0	0.0
7. Net Electrical Energy Generated	578,760	1,229,837	135,761,085

### 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: March 3, 2003  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

Reporting Period: FEBRUARY 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 February operating at rated thermal power. Shift reduced load to approximately 870 GMWe (~2650 CMWT) on February 1 to perform control rod drive exercises. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 860 GMWe (~2640 CMWT) on February 8 to perform control rod drive exercises, a rod pattern adjustment, and main turbine stop valve testing. The unit was returned to rated thermal power on February 9. Shift reduced load to approximately 905 GMWe (~2745 CMWT) on February 13 as directed by Operations Department Management. The load reduction was a conservative measure taken, due to management's concern with the ability of the Process Computer to accurately calculate unit heat balance. The unit was returned to rated thermal power later the same day, after it was determined the core thermal power program of the Process Computer was functioning correctly. Shift reduced load to approximately 855 GMWe (~2635 CMWT) on February 15 to perform control rod drive exercises. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 505 GMWe (~1655 CMWT) on February 21 to perform a control rod sequence exchange, scram time testing, control rod drive exercises, and main turbine valve testing. Maintenance activities were also performed in the Condenser Bay and Reactor Building while at reduced load. Shift began power ascension on February 22 and the unit attained rated thermal power on February 24. Shift maintained unit operation at rated thermal power for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2  
Monthly Operating Report  
February 2003

Table of Contents

	<u>Page</u>
Operating Data Report	E2-1
Unit Shutdowns and Power Reductions	E2-2

## OPERATING DATA REPORT

Docket No : 50-366  
 Unit Name: E I. Hatch Unit 2  
 Date: March 3, 2003  
 Completed By: S. B. Rogers  
 Telephone (912) 366-2000 x2279

### Operating Status

1. Reporting Period FEBRUARY 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:	<u>672.0</u>	<u>1,416 0</u>	<u>168,083.2</u>
5. Hours Generator On Line:	<u>672.0</u>	<u>1,416.0</u>	<u>163,735.9</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated	<u>581,072</u>	<u>1,236,078</u>	<u>121,853,980</u>

### 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: March 3, 2003  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

Reporting Period: FEBRUARY 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 2 began the month of February operating at rated thermal power. Shift reduced load to approximately 885 GMWe (~2650 CMWT) on February 2 to perform control rod drive exercises. The unit was returned to rated thermal power on February 3. Shift reduced load to approximately 820 GMWe (~2485 CMWT) on February 9 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to rated thermal power on February 10. Shift reduced load to approximately 905 GMWe (~2720 CMWT) on February 13 as directed by Operations Department Management. The load reduction was a conservative measure taken, due to management's concern with the ability of the Process Computer to accurately calculate unit heat balance. The unit was returned to rated thermal power later the same day, after it was determined the core thermal power program of the Process Computer was functioning correctly. Shift reduced load to approximately 845 GMWe (~2545 CMWT) on February 16 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 885 GMWe (~2645 CMWT) on February 23 to perform control rod drive exercises. The unit was returned to rated thermal power on February 24. Shift began reducing load on February 28 in preparation for a unit shutdown. Shift manually tripped the Main Turbine at midnight on February 28 to begin the 17th Refueling Outage.