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November 6, 2003

Docket Nos.: 50-321  
50-366

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001

Edwin I. Hatch Nuclear Plant  
Monthly Operating Reports

Ladies and Gentlemen:

Enclosed are the October 2003 Monthly Operating Reports as required by Section 5.6.4 of the Technical Specifications.

If you have any questions, please advise.

Sincerely,

*H. L. Sumner, Jr.*

H. L. Sumner, Jr.

HLS/IFL/sdl

Enclosures: E1 – HNP Unit 1 Monthly Operating Report  
E2 – HNP Unit 2 Monthly Operating Report

cc: Southern Nuclear Operating Company  
Mr. J. D. Woodard, Executive Vice President  
Mr. G. R. Frederick, 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. D. S. Simpkins, Senior Resident Inspector – Hatch

IE24

Enclosure 1

Plant Hatch Unit 1  
Monthly Operating Report  
October 2003

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## OPERATING DATA REPORT

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

### Operating Status

1. Reporting Period:	<u>OCTOBER 2003</u>		
2. Design Electrical Rating (Net MWe):	<u>870</u>		
3. Maximum Dependable Capacity (Net MWe):	<u>856</u>		
	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	<u>745.0</u>	<u>6,990.5</u>	<u>197,408.8</u>
5. Hours Generator On Line:	<u>745.0</u>	<u>6,974.0</u>	<u>191,446.8</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>606,074</u>	<u>5,895,881</u>	<u>140,427,129</u>

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

Reporting Period: OCTOBER 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 October operating at rated thermal power. Shift reduced load to approximately 860 GMWe (~2630 CMWT) on October 4 to perform control rod drive exercises. The unit was returned to rated thermal power later that day. Shift reduced load to approximately 865 GMWe (~2700 CMWT) on October 11 to perform main turbine valve testing. The unit was returned to rated thermal power on October 12. Indications of a fuel leak were received in the Control Room on October 19 and were later confirmed by Chemistry sampling. Shift began reducing load to approximately 530 GMWe (~1690 CMWT) on October 21 for Power Suppression Testing to locate the fuel leak. Shift completed the Power Suppression Testing on October 24, then performed a control rod sequence exchange, turbine control valve testing, and control rod drive exercises while at reduced load. Shift increased reactor power to approximately 77% of rated thermal on October 25, then reduced power to approximately 68.5% of rated thermal for a rod pattern adjustment. Shift resumed power ascension later the same day. The ascension was halted on October 26 with the unit at approximately 98% of rated thermal power. Shift reduced load to approximately 550 GMWe (~1735 CMWT) on October 28 to perform a rod pattern adjustment. The unit was returned to rated thermal power on October 29. Shift maintained unit operation at rated thermal power for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2  
Monthly Operating Report  
October 2003

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## OPERATING DATA REPORT

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

### Operating Status

1. Reporting Period: OCTOBER 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>745.0</u>	<u>6,629.7</u>	<u>173,296.9</u>
5. Hours Generator On Line:	<u>745.0</u>	<u>6,588.6</u>	<u>168,908.5</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>650,580</u>	<u>5,666,712</u>	<u>126,284,614</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:	November 3, 2003
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

Reporting Period: OCTOBER 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 October operating at rated thermal power. Shift reduced load to approximately 880 GMWe (~2700 CMWT) on October 12 to perform main turbine valve testing. The unit was returned to rated thermal power later that day. The new Crossflow Ultrasonic Feedwater Flow Monitoring System was placed in service on October 17, and Shift increased power to the corrected rated thermal value. Power was later reduced to approximately 99.1% of rated thermal due to concerns with the flow margin on the #4 main turbine control valve. Shift increased reactor power to approximately 99.7% of rated thermal on October 18. Shift reduced load to ~875 GMWe (~2625 CMWT) on October 20 for Appendix K Power Uprate Testing. Shift returned the unit to approximately 99.7% of rated thermal power on October 21. The unit's Licensed Thermal Power was increased from 2763 CMWT to 2804 CMWT on October 21, as a result of Appendix K Power Uprate. Shift reduced load to approximately 830 GMWe (~2510 CMWT) on October 26 for control rod drive exercises. The unit was returned to approximately 98.1% of rated thermal power on October 27. Shift reduced load to approximately 890 GMWe (~2695 CMWT) on October 27 for Appendix K Power Uprate Testing. The unit was returned to approximately 98.3% of rated thermal power later that day. Shift reduced load to approximately 905 GMWe (~2735 CMWT) on October 28 to continue Appendix K Power Uprate Testing. The unit was returned to approximately 98.1% of rated thermal power later the same day. Shift increased reactor power to approximately 98.5% of rated thermal on October 29. Shift maintained the unit at approximately this power level for the remainder of the month due to concerns with the flow margin on the #4 main turbine control valve.