

H. L. Sumner, Jr.
Vice President
Hatch Project

**Southern Nuclear
Operating Company, Inc.**
Post Office Box 1295
Birmingham, Alabama 35201
Tel 205.992.7279

January 14, 2004

Docket Nos.: 50-321
50-366

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



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NL-04-0010

Edwin I. Hatch Nuclear Plant
Monthly Operating Reports

Ladies and Gentlemen:

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

If you have any questions, please advise.

Sincerely,

A handwritten signature in cursive script that reads "H. L. Sumner, Jr.".

H. L. Sumner, Jr.

HLS/IL/daj

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

cc: Southern Nuclear Operating Company
Mr. J. B. Beasley, Jr., 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

JEZY

Enclosure 1

**Plant Hatch Unit 1
Monthly Operating Report
December 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: January 6, 2004
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Operating Status

1. Reporting Period:	<u>DECEMBER 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>744.0</u>	<u>8,454.5</u>	<u>198,872.8</u>
5. Hours Generator On Line:	<u>744.0</u>	<u>8,438.0</u>	<u>192,910.8</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>636,389</u>	<u>7,146,921</u>	<u>141,678,169</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: January 6, 2004
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Reporting Period: DECEMBER 2003

No.	Date (YYMMDD)	Type		Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F: Forced	S: Scheduled				
							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 December operating at approximately 98.5% of rated thermal power with a "coastdown" in progress due to the current rod pattern. Shift reduced load to approximately 800 GMWe (~2485 CMWT) on December 5 to perform control rod drive exercises and main turbine valve testing. Shift further reduced load to approximately 585 GMWe (~1795 CMWT) on December 6 to perform a rod pattern adjustment. The unit was returned to rated thermal power on December 7. Shift reduced load to approximately 810 GMWe (~2470 CMWT) on December 13 to perform control rod drive exercises, then further reduced load to approximately 775 GMWe (~2335 CMWT) to complete the control rod drive exercises and to perform a rod pattern adjustment. The unit was returned to rated thermal power on December 14. The unit's Licensed Thermal Power was increased from 2763 CMWT to 2804 CMWT on December 19 as a result of Appendix K Power Uprate; the unit will continue to be operated at a maximum operating power (MOP) of 2763 CMWT until uprate testing is performed. Shift reduced load to approximately 810 GMWe (~2470 CMWT) on December 20 to perform control rod drive exercises. The unit was returned to approximately 2734 CMWT on December 21, maximum operating power could not be achieved due to the rod pattern. Shift reduced load to approximately 810 GMWe (~2470 CMWT) on December 27 to perform control rod drive exercises. The unit was returned to approximately 2680 CMWT on December 28. Reactor power was at approximately 2652 CMWT at the end of this reporting period with a "coastdown" in progress due to the current rod pattern.

Enclosure 2
Plant Hatch Unit 2
Monthly Operating Report
December 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: January 6, 2004
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Operating Status

1. Reporting Period:	<u>DECEMBER 2003</u>		
2. Design Electrical Rating (Net MWe):	<u>908</u>		
3. Maximum Dependable Capacity (Net MWe):	<u>883</u>		
	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	<u>744.0</u>	<u>8,093.7</u>	<u>174,760.9</u>
5. Hours Generator On Line:	<u>744.0</u>	<u>8,052.6</u>	<u>170,372.5</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>665,523</u>	<u>6,962,510</u>	<u>127,580,412</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: January 6, 2004
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Reporting Period: DECEMBER 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 December operating at approximately 94.2% of rated thermal power with a power reduction in progress. The power reduction began on November 30 to perform control rod drive exercises. The power reduction was terminated later on December 1 with the unit at 94% of rated thermal power (~882 GMWe). Shift returned the unit to maximum operating power (MOP) later the same day. Shift reduced load to approximately 880 GMWe (~2635 CMWT) on December 7 to perform control rod drive exercises. Shift increased power to approximately 96% of rated on December 8 and performed main turbine valve testing. The unit was returned to maximum operating power later the same day. Shift reduced load to approximately 825 GMWe (~2670 CMWT) on December 14 due to the unexpected opening of the High Level Control Valves on the 1st and 2nd stages of all four Moisture Separator Reheaters (MSRs). Investigation revealed the valves opened as a result of a control switch being out of normal position. The switch was returned to the correct position and the MSRs were returned to normal level control. The unit was returned to maximum operating power on December 15. Shift reduced load to approximately 880 GMWe (~2620 CMWT) on December 21 to perform control rod drive exercises. Shift further reduced load to approximately 840 GMWe (~2505 CMWT) on December 22 to complete the control rod drive exercises. The unit was returned to maximum operating power later the same day. Shift reduced load to approximately 880 GMWe (~2610 CMWT) on December 28 to perform control rod drive exercises. The unit was returned to maximum operating power later the same day. Shift maintained the unit at maximum operating power for the remainder of the month.