

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

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

July 13, 2004



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NL-04-1208

Docket Nos.: 50-321  
50-366

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

**Hatch Nuclear Plant  
Monthly Operating Reports**

Ladies and Gentlemen:

Enclosed are the June 2004 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 "Lewis Sumner".

H. L. Sumner, Jr.

HLS/IFL/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  
RTYPE: CHA02.004

U. S. Nuclear Regulatory Commission  
Dr. W. D. Travers, Regional Administrator  
Mr. C. Gratton, NRR Project Manager – Hatch  
Mr. D. S. Simpkins, Senior Resident Inspector – Hatch

IE24

**Enclosure 1**

**Plant Hatch Unit 1  
Monthly Operating Report  
June 2004**

**Table of Contents**

	<b><u>Page</u></b>
<b>Operating Data Report</b>	<b>E1-1</b>
<b>Unit Shutdowns</b>	<b>E1-2</b>

## OPERATING DATA REPORT

Docket No.:	50-321
Unit Name:	E. I. Hatch Unit 1
Date:	July 1, 2004
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

### Operating Status

1. Reporting Period:	JUNE 2004
2. Design Electrical Rating (Net MWe):	885
3. Maximum Dependable Capacity (Net MWe):	869

	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	720.0	3,702.1	202,575.0
5. Hours Generator On Line:	720.0	3,629.4	196,540.2
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	629,399	2,999,018	144,677,187

### 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: July 1, 2004  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

Reporting Period: JUNE 2004

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 June operating at rated thermal power. Shift reduced load to approximately 865 GMWe (~2625 CMWT) on June 5 to perform control rod drive exercises. Shift further reduced load to approximately 525 GMWe (~1760 CMWT) on June 5 to perform a control rod sequence exchange, scram time testing, and turbine control valve testing. The unit was returned to rated thermal power on June 6. Shift later reduced load to approximately 825 GMWe (~2520 CMWT) on June 6 to perform a rod pattern adjustment. The unit was returned to rated thermal power on June 7. Shift reduced load to approximately 820 GMWe (~2515 CMWT) on June 12 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to rated thermal power on June 13. Shift reduced load to approximately 855 GMWe (~2630 CMWT) on June 19 to perform control rod drive exercises and main turbine valve testing. The unit was returned to rated thermal power on June 20. Shift reduced load to approximately 820 GMWe (~2520 CMWT) on June 26 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to rated thermal power on June 27. Shift maintained unit operation at rated thermal power for the remainder of the month.

**Enclosure 2**  
**Plant Hatch Unit 2**  
**Monthly Operating Report**  
**June 2004**

**Table of Contents**

	<b><u>Page</u></b>
<b>Operating Data Report</b>	<b>E2-1</b>
<b>Unit Shutdowns</b>	<b>E2-2</b>

## OPERATING DATA REPORT

Docket No.:	50-366
Unit Name:	E. I. Hatch Unit 2
Date:	July 1, 2004
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

### Operating Status

1. Reporting Period:	JUNE 2004
2. Design Electrical Rating (Net MWe):	908
3. Maximum Dependable Capacity (Net MWe):	883

	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	720.0	4,367.0	179,127.9
5. Hours Generator On Line:	720.0	4,367.0	174,739.5
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	625,765	3,855,411	131,435,823

### 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: July 1, 2004  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

Reporting Period: JUNE 2004

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 June operating at the maximum operating power (MOP) of 2777 CMWT. Shift reduced load to approximately 870 GMWe (~2630 CMWT) on June 7 to perform control rod drive exercises. The unit was returned to MOP later the same day. Shift reduced load to approximately 845 GMWe (~2585 CMWT) on June 13 after power was momentarily lost to the fans on the Helper Cooling Tower, due to a lightning strike, and main condenser vacuum began to degrade. The fans cycled back on as designed, and the unit was returned to MOP later the same day. Shift reduced load to approximately 865 GMWe (~2625 CMWT) later on June 13 to perform control rod drive exercises. The unit was returned to MOP on June 14. Shift reduced load to approximately 750 GMWe (~2270 CMWT) on June 18 to remove the "B" Condensate Pump from service due to a loss of oil in the pump motor. Shift increased reactor power to approximately 2558 CMWT on June 19. Shift began power ascension on June 21, following the replacement of the "B" Condensate Pump motor, and the unit attained MOP on June 22. Shift reduced load to approximately 830 GMWe (~2515 CMWT) on June 27 to perform control rod drive exercises. The unit was returned to MOP on June 28. Shift maintained unit operation at maximum operating power for the remainder of the month.