

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

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



September 10, 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 August 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/IFL/daj

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  
August 2003**

**Table of Contents**

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

## OPERATING DATA REPORT

Docket No.: 50-321  
Unit Name: E. I. Hatch Unit 1  
Date: September 2, 2003  
Completed By: S. B. Rogers  
Telephone: (912) 366-2000 x2279

### Operating Status

1. Reporting Period: AUGUST 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:	<u>744.0</u>	<u>5,525.5</u>	<u>195,943.8</u>
5. Hours Generator On Line:	<u>744.0</u>	<u>5,509.0</u>	<u>189,981.8</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>632,632</u>	<u>4,671,178</u>	<u>139,202,426</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: September 2, 2003  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

Reporting Period: AUGUST 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 August operating at rated thermal power. Shift reduced load to approximately 550 GMWe (~1795 CMWT) on August 1 to perform a control rod sequence exchange, scram time testing, main turbine valve testing, and to repair a leak in the "A" Stator Cooling Water Heat Exchanger. Inspection and maintenance activities were also performed in the Condenser Bay and Turbine Building while at reduced load. Shift returned the unit to rated thermal power on August 2. Shift reduced load to approximately 760 GMWe (~2350 CMWT) on August 5 due to increased vibration on the "A" Reactor Feed Pump. The unit was returned to rated thermal power on August 6. Shift reduced load to approximately 820 GMWe (~2525 CMWT) on August 9 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 rated thermal power later the same day. Shift reduced load to approximately 845 GMWe (~2620 CMWT) on August 16 to perform control rod drive exercises and main turbine valve testing. The unit was returned to rated thermal power on August 17. Shift reduced load to approximately 835 GMWe (~2620 CMWT) on August 30 to perform a control rod pattern adjustment. The unit was returned to rated thermal power on August 31. Shift maintained unit operation at rated thermal power for the remainder of the month.

**Enclosure 2**

**Plant Hatch Unit 2  
Monthly Operating Report  
August 2003**

**Table of Contents**

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

## OPERATING DATA REPORT

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

### Operating Status

1. Reporting Period: AUGUST 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>744.0</u>	<u>5,164.7</u>	<u>171,831.9</u>
5. Hours Generator On Line:	<u>744.0</u>	<u>5,123.6</u>	<u>167,443.5</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>640,553</u>	<u>4,394,082</u>	<u>125,011,984</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: September 2, 2003  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

Reporting Period: AUGUST 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 August operating at rated thermal power. Shift reduced load to approximately 860 GMWe (~2640 CMWT) on August 3 to perform control rod drive exercises. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 830 GMWe (~2555 CMWT) on August 9 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 cooling tower fans were returned to service and the unit was returned to rated thermal power later the same day. Shift reduced load to approximately 890 GMWe (~2695 CMWT) on August 17 to perform main turbine valve testing. The unit was returned to rated thermal power later that day. Shift reduced load to approximately 535 GMWe (~1795 CMWT) on August 29 to perform a control rod sequence exchange, scram time testing, main turbine valve testing, and control rod drive exercises. Inspection and maintenance activities were also performed in the Condenser Bay while at reduced load. The unit was returned to rated thermal power on August 30. Shift maintained unit operation at rated thermal power for the remainder of the month.