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*Energy to Serve Your World™*  
NL-04-1456

August 13, 2004

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 July 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 "H. L. Sumner, Jr.".

H. L. Sumner, Jr.

HLS/il

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  
July 2004

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## OPERATING DATA REPORT

Docket No.: 50-321  
Unit Name: E. I. Hatch Unit 1  
Date: 8/8/2004  
Completed By: R. M. Beard  
Telephone: (912) 366-2000 x5925

### Operating Status

1. Reporting Period: JULY 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:	744.0	4,446.1	203,319.0
5. Hours Generator On Line:	744.0	4,373.4	197,284.2
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	650,433	3,649,451	145,327,620

### 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: 8/8/2004  
 Completed By: R. M. Beard  
 Telephone: (912) 366-2000 x5925

Reporting Period: JULY 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 860 GMWe (~2625 CMWT) on July 3 to perform control rod drive exercises. The unit was returned to rated thermal power on July 4. The "A" recirculation system pump ran back to 33% (#2 speed limiter) on July 7 when a ground fault occurred at switchyard breaker 179400 resulting in the loss of the Vidalia Line. The unit was returned to rated thermal power on July 8 after review and evaluation indicated no problems with the recirculation system pump control logic; however, power ascension was halted at 2770 CMWT due to the ultrasonic flow monitor, Cross flow, displaying an alarm condition. Rated thermal power was achieved early on July 8 after the alarm condition on the Cross flow System cleared. Shift reduced load to approximately 870 GMWe (~2635 CMWT) later on July 8 to perform a rod pattern adjustment. The unit was returned to rated thermal power on July 9. Shift reduced load to approximately 860 GMWe (~2625 CMWT) on July 11 for CRD Exercises and a rod pattern adjustment. The unit was returned to rated thermal power later that day. Shift reduced load to approximately 860 GMWe (~2625 CMWT) on July 17 to perform CRD Exercises and Turbine Stop Valve Testing. The unit was returned to rated thermal power later that day. Shift reduced load to approximately 840 GMWe (~2560 CMWT) on July 24 to perform CRD Exercises. The unit was returned to rated thermal power on July 25. Shift reduced load to approximately 860 GMWe (~2625 CMWT) on July 31 to perform CRD Exercises. The unit continued to operate at reduced load while performing CRD Exercises as the month of July ended.

Enclosure 2

Plant Hatch Unit 2  
Monthly Operating Report  
July 2004

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## OPERATING DATA REPORT

Docket No.: 50-366  
Unit Name: E. I. Hatch Unit 2  
Date: 8/8/2004  
Completed By: R. M. Beard  
Telephone: (912) 366-2000 x5925

### Operating Status

1. Reporting Period: JULY 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:	<u>744.0</u>	<u>5,111.0</u>	<u>179,871.9</u>
5. Hours Generator On Line:	<u>744.0</u>	<u>5,111.0</u>	<u>175,483.5</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>641,392</u>	<u>4,496,803</u>	<u>132,077,215</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: 8/8/2004  
 Completed By: R. M. Beard  
 Telephone: (912) 366-2000 x5925

Reporting Period: JULY 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 865 GMWe (~2625 CMWT) on July 4 to perform control rod drive exercises. The unit was returned to MOP on July 5. Shift reduced load to approximately 900 GMWe (~2760 CMWT) on July 6 due to hot weather causing Circulating Water System temperatures to reach the procedural limit of 120 degrees. The unit was returned to MOP later that day. Shift began reducing load to approximately 580 GMWe (~1820 CMWT) on July 10 to perform a Sequence Exchange, CRD Scram Time Testing, CRD Exercises and Turbine Control Valve Testing. Shift halted Turbine Control Valve Testing to evaluate why a larger than expected level transient occurred while testing the #1 Turbine Control Valve. Shift resumed Control Valve Testing later that evening after review indicated the control systems responded as expected. Shift halted power ascension at approximately 895 GMWe (~2665 CMWT) on July 11 due to a limiting rod pattern following the Sequence Exchange. Shift reduced load to approximately 800 GMWe (~2380 CMWT) on July 12 to make a rod pattern adjustment. The unit was returned to MOP later that day. Shift reduced load to approximately 895 GMWe (~2750 CMWT) on July 14 due to hot weather causing Condensate System temperatures to reach the procedural limit of 130 degrees. The unit was returned to MOP later that day. Shift reduced load to approximately 865 GMWe (~2625 CMWT) on July 18 to perform CRD Exercises, a rod pattern adjustment and Turbine Stop Valve Testing. The unit was returned to MOP on July 19. Shift reduced load to approximately 890 GMWe (~2740 CMWT) on July 24 due to hot weather causing Condensate System temperatures to reach the procedural limit of 130 degrees. The unit was returned to MOP later that day. *(continued on page E2-2b)*

## UNIT SHUTDOWNS

Docket No.: 50-366  
 Unit Name: E. I. Hatch Unit 2  
 Date: 8/8/2004  
 Completed By: R. M. Beard  
 Telephone: (912) 366-2000 x5925

Reporting Period: JULY 2004

No.	Date (YYMMDD)	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
	YYMMDD					

**(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

**CAUSE/CORRECTIVE ACTION/COMMENTS:**

### NARRATIVE REPORT

Shift reduced load to approximately 830 GMWe (~2500 CMWT) on July 25 to perform CRD Exercises. The unit was returned to MOP on July 26. Shift reduced load to approximately 890 GMWe (~2730 CMWT) on July 28 due to hot weather causing Condensate System temperatures to reach the procedural limit of 130 degrees. The unit was returned to MOP later that day. Shift reduced load to approximately 885 GMWe (~2720 CMWT) on July 31 due to hot weather causing Condensate System temperatures to reach the procedural limit of 130 degrees. The unit was returned to MOP later that day. Shift continued to operate at maximum operating power for the remainder of the month.