

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

Southern Nuclear  
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December 14, 2004

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 November 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 black ink that reads "H. L. Sumner". The signature is written in a cursive, flowing style.

H. L. Sumner, Jr.

HLS/il/daj

- Enclosures: 1. HNP Unit 1 Monthly Operating Report  
2. HNP Unit 2 Monthly Operating Report

cc: Southern Nuclear Operating Company  
Mr. J. T. Gasser, 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

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# OPERATING DATA REPORT

DOCKET NO.	50-321
UNIT NAME	Hatch 1
DATE	December 10, 2004
COMPLETED BY	R. M. Beard
TELEPHONE	(912) 366-2000 x5925

REPORTING PERIOD: November 2004

1. Design Electrical Rating	<u>885.00</u>		
2. Maximum Dependable Capacity (MWe-Net)	<u>869.00</u>		
	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours the Reactor was Critical	<u>720.00</u>	<u>7,375.13</u>	<u>206,247.94</u>
4. Number of Hours Generator On-line	<u>720.00</u>	<u>7,302.43</u>	<u>200,213.15</u>
5. Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
6. Net Electrical Energy Generated (MWHrs)	<u>634,502.00</u>	<u>6,227,251.00</u>	<u>147,905,420.0</u>

## UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
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SUMMARY: Unit 1 began the month of November operating at rated thermal power. Load was reduced to ~620 GMWe (~1820 CMWt) on 11/06 to perform Control Rod Sequence Exchange, CRD Exercises, Turbine Stop Valve and Turbine Control Valve Testing. Power level was limited to ~920 GMWe (~2790 CMWt) by the initial rod pattern following the Sequence Exchange. Consequently, another load reduction to ~850 GMWe (~2465 CMWt) was required on 11/7 to attain the final, target rod pattern. Shift performed load reductions to ~870 GMWe (~2625 CMWt) to perform CRD Exercises on 11/13, 11/20, and 11/27. A minor Rod Pattern Adjustment was made while at reduced load on 11/13 and 11/27. Shift continued to maintain rated thermal power as the month of November ended. There were no challenges to the safety relief valves.

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**Reason:**

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refueling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

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**Method:**

- 1 Manual
- 2 Manual Trip/Scram
- 3 Automatic Trip/Scram
- 4 Continuation
- 5 Other (Explain)

# OPERATING DATA REPORT

DOCKET NO.	50-366
UNIT NAME	Hatch 2
DATE	December 10, 2004
COMPLETED BY	R. M. Beard
TELEPHONE	(912) 366-2000 x5925

REPORTING PERIOD: November 2004

1. Design Electrical Rating	<u>908.00</u>		
2. Maximum Dependable Capacity (MWe-Net)	<u>883.00</u>		
	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours the Reactor was Critical	<u>720.00</u>	<u>7,873.85</u>	<u>182,634.75</u>
4. Number of Hours Generator On-line	<u>720.00</u>	<u>7,845.10</u>	<u>178,217.57</u>
5. Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
6. Net Electrical Energy Generated (MWHrs)	<u>634,869.00</u>	<u>6,861,180.00</u>	<u>134,441,592.0</u>

## UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
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SUMMARY: Unit 2 began the month of November operating at reduced power of ~94% MOP while performing CRD Exercises and a minor Rod Pattern Adjustment. The return to maximum operating power was delayed by ~110 hours at ~900 GMWe (<2777 CMWt), on 11/01 through 11/05, while the CROSSFLOW System was out of service. Shift reduced load to ~885 GMWe (~2630 CMWt) on 11/11 for a Rod Pattern Adjustment to place the Recirculation System pump flows in a more stable region of operation. Shift reduced load to perform CRD Exercises on 11/07, 11/14, 11/21 and 11/28 to ~865, 845, 835, & 650 GMWe (~2625, 2520, 2520, 2025 CMWt) respectively. Minor Rod Pattern Adjustments were made while at reduced load on 11/7, 11/14, and 11/21. Power ascension was stopped at ~900 GMWe (<2777 CMWt) for ~11 hours on 11/22, while the CROSSFLOW System derate clock was on. Shift reduced load to ~890 GMWe (~2650 CMWt) on 11/29 to perform a minor Rod Pattern Adjustment. Shift returned the unit to maximum operating power on 11/30 and maintained that power level as the month of November ended. There were no challenges to the safety relief valves.

- 1 Reason:
- A Equipment Failure (Explain)
  - B Maintenance or Test
  - C Refueling
  - D Regulatory Restriction
  - E Operator Training & License Examination
  - F Administration
  - G Operational Error (Explain)
  - H Other (Explain)

- 2 Method:
- 1 Manual
  - 2 Manual Trip/Scram
  - 3 Automatic Trip/Scram
  - 4 Continuation
  - 5 Other (Explain)