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

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

Tel 205.992.7279

SOUTHERN COMPANY
Energy to Serve Your World℠

November 12, 2004

NL-04-2224

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 October 2004 Monthly Operating Reports as required by section 5.6.4 of the Technical Specifications.

If you have any questions, please advise.

Sincerely,

H. L. Sumner, Jr.

HLS/il/sdl

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

IE24

OPERATING DATA REPORT

DOCKET NO.	50-321
UNIT NAME	Hatch 1
DATE	November 11, 2004
COMPLETED BY	R. M. Beard
TELEPHONE	(912) 366-2000 x2279

REPORTING PERIOD: October 2004

1. Design Electrical Rating	885.00	
2. Maximum Dependable Capacity (MWe-Net)	869.00	

	This Month	Yr-to-Date	Cumulative
3. Number of Hours the Reactor was Critical	745.00	6,655.13	205,527.94
4. Number of Hours Generator On-line	745.00	6,582.43	199,493.15
5. Reserve Shutdown Hours	0.00	0.00	0.00
6. Net Electrical Energy Generated (MWHrs)	661,009.00	5,592,749.00	147,270,918.0

UNIT SHUTDOWNS

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

SUMMARY: Unit 1 began the month of October operating at rated thermal power. Shift performed load reductions to ~870 GMWe (~2625 CMWt) to perform weekly CRD Exercises on 10/3, 10/9, 10/24 and 10/30. Minor Rod Pattern Adjustments were made while at reduced load on 10/9 and 10/24. Monthly Turbine Valve Testing was completed while at reduced load on 10/9. The return to rated thermal power was delayed by ~1.5 hours on 10/9 due to the CROSSFLOW derate clock activating after the turbine valve testing. Shift reduced load to ~830 GMWe (~2525 CMWt) for Monthly CRD Exercises on 10/16. Shift continued to maintain rated thermal power as the month of October 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)

OPERATING DATA REPORT

DOCKET NO.	50-366
UNIT NAME	Hatch 2
DATE	November 11, 2004
COMPLETED BY	R. M. Beard
TELEPHONE	(912) 366-2000 x2279

REPORTING PERIOD: October 2004

1. Design Electrical Rating	908.00	
2. Maximum Dependable Capacity (MWe-Net)	883.00	

	This Month	Yr-to-Date	Cumulative
3. Number of Hours the Reactor was Critical	721.75	7,153.85	181,914.75
4. Number of Hours Generator On-line	693.00	7,125.10	177,497.57
5. Reserve Shutdown Hours	0.00	0.00	0.00
6. Net Electrical Energy Generated (MWHrs)	584,543.00	6,226,311.00	133,806,723.0

UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
04-001	09/25/2004	S	52.00	B	4	Unit 2 was shutdown at management discretion to repair a leaking SRV, 2B21-F013L. See Narrative report.

SUMMARY: Unit 2 began the month of October continuing with start-up activities from a Maintenance Outage to repair a leaking SRV and later an MSIV that was damaged during start-up testing. Shift began rod pull for unit start-up on 10/1 and brought the reactor critical later that day. The unit was tied to the grid on 10/3 and the maximum power level (~90% of RTP) for the initial target rod pattern attained on 10/5. Shift reduced load to ~680 GMWe (~2075 CMWt) after a 12 hour minimum soak period (fuel preconditioning) for a rod pattern adjustment. The unit attained the maximum operating power (MOP) of ~2777 CMWt on 10/6. MOP was changed from 2777 CMWt to 2790 CMWt on 10/12 after completing that phase of power uprate testing. The target power level of 2804 CMWt could not be attained due to operational limitations on the maximum control voltage to the #4 Turbine Control Valve. Shift reduced load to ~870 GMWe (~2625 CMWt) to perform weekly CRD Exercises on 10/10. Monthly Turbine Valve Testing and a Rod Pattern Adjustment were performed while at reduced load. Shift reduced load to ~830 GMWe (~2525 CMWt) on 10/17 to perform Monthly CRD Exercises and a Rod Pattern Adjustment. Shift reduced load to ~575 GMWe (~1790 CMWt) on 10/23 to perform a Rod Sequence Exchange and Weekly CRD Exercises. Shift continued MOP operation <2777 CMWt for the rest of October with CROSSFLOW inhibited from use due to frequent alarms. Shift reduced load to ~880 GMWe (~2650 CMWt) on 10/24 to achieve the final target rod pattern after the sequence exchange. Shift reduced load to ~870 GMWe (~2625 CMWt) late on 10/31 to perform Weekly CRD Exercises and a Rod Pattern Adjustment. The month of October ended while at reduced load. 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)