H. L. Sumner, Jr.
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Hatch Project

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SOUTHERN COMPANY
Energy to Serve Your World℠

October 14, 2004

Docket Nos.: 50-321
50-366

NL-04-1982

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 September 2004 Monthly Operating Reports as required by Section 5.6.4 of the Technical Specifications.

If you have any questions, please advise.

Sincerely,

Lewis Sumner

H. L. Sumner, Jr.

HLS/il/daj

Enclosures: E1 – HNP Unit 1 Monthly Operating Report
E2 – 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	October 11, 2004
COMPLETED BY	R. M. Beard
TELEPHONE	(912) 537-5925

REPORTING PERIOD: September 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	720.00	5,910.13	204,782.94
4. Number of Hours Generator On-line	720.00	5,837.43	198,748.15
5. Reserve Shutdown Hours	0.00	0.00	0.00
6. Net Electrical Energy Generated (MWHrs)	637,144.00	4,931,740.00	146,609,909.0

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 September operating at rated thermal power. Shift reduced load to approximately 865 GMWe (~2625 CMWth) on 9/4/04 to perform control rod drive exercises. The unit was returned to rated thermal power on 9/5/04. Shift reduced load to approximately 900 GMWe (~2780 CMWth) on 9/7/04 due to the Core Thermal Power (CTP) program on the process computer being out of service greater than 45 minutes. The unit was returned to rated thermal power approximately 1 hour later that same day. Shift reduced load to approximately 865 GMWe (~2625 CMWth) on 9/11/04 to perform a Rod Pattern Adjustment, CRD Exercises and Turbine Stop Valve Testing. The unit was returned to rated thermal power on 9/12/04. Shift reduced load to approximately 890 GMWe on 9/16/04 and inhibited the CROSSFLOW ultrasonic flow monitor input to the process computer heat balance to perform a setpoint change on one of the system limits. Shift maintained reduced load while a disk was replaced on the process computer data acquisition system. The unit was returned to rated thermal power later that day. Shift reduced load to approximately 825 GMWe (~2520 CMWth) on 9/18/04 to perform monthly and weekly CRD Exercises and a Rod Pattern Adjustment. The unit was returned to rated thermal power on 9/19/04. Shift reduced load to approximately 865 GMWe (~2625 CMWth) on 9/25/04 to perform weekly CRD Exercises and a Rod Pattern Adjustment. The unit was returned to rated thermal power on 9/26/04. Unit 1 ended the month of September operating at rated thermal power. 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	October 11, 2004
COMPLETED BY	R. M. Beard
TELEPHONE	(912) 537-5925

REPORTING PERIOD: September 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	577.10	6,432.10	181,193.00
4. Number of Hours Generator On-line	577.10	6,432.10	176,804.57
5. Reserve Shutdown Hours	0.00	0.00	0.00
6. Net Electrical Energy Generated (MWHrs)	497,117.00	5,641,768.00	133,222,180.0

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	142.90	B	1	Unit 2 was shutdown at management discretion to repair a leaking SRV, 2B21-F013L. See Narrative report.

SUMMARY: Unit 2 began the month of September operating at the maximum operating power (MOP) of 2777 CMWth. Shift reduced load to approximately 855 GMWe (~2620 CMWth) on 9/5/04 to perform weekly CRD Exercises and a Rod Pattern Adjustment. The unit was returned to MOP on 9/6/04. Shift reduced load to approximately 865 GMWe (~2625 CMWth) on 9/12/04 to perform weekly CRD Exercises and Turbine Stop Valve Testing. The unit was returned to MOP on 9/13/04. Shift reduced load to approximately 830 GMWe (~2505 CMWth) on 9/19/04 to perform a Rod Pattern Adjustment and weekly CRD Exercises. The unit was returned to MOP on 9/20/04. Shift reduced load to approximately 905 GMWe (<2742 CMWth) due to a flow meter deviation alarm on the CROSSFLOW System. Shift began reducing load for a Maintenance Outage to repair a leaking SRV, 2B21-F013L, on 9/24/04 and removed the unit from the grid just after midnight on 9/25/04. Shift was preparing for unit startup, after completing repairs on the "L" SRV, when inboard MSIV, 2B21-F022D, failed to open fully while being stroked on 9/26/04. Shift completed repairs on the "D" inboard MSIV on 9/30/04 and entered the unit startup procedure. Startup activities continued on Unit 2 as the month of September 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)**