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SOUTHERN COMPANY
Energy to Serve Your World℠

January 8, 2002

Docket Nos. 50-321
50-366

HL-6172

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Edwin I. Hatch Nuclear Plant
Monthly Operating Reports

Ladies and Gentlemen:

Enclosed are the December 2001 Monthly Operating Reports for Edwin I. Hatch Nuclear Plant Unit 1, Docket No. 50-321, and Unit 2, Docket No. 50-366. These reports are submitted in accordance with Technical Specifications 5.6.4.

Respectfully submitted,

Lewis Sumner

H. L. Sumner, Jr.

IFL/eb

Enclosures:
1. December Monthly Operating Report for Plant Hatch Unit 1
2. December Monthly Operating Report for Plant Hatch Unit 2

cc: Southern Nuclear Operating Company
Mr. P. H. Wells, Nuclear Plant General Manager
SNC Document Management (R-Type A02.001)

U. S. Nuclear Regulatory Commission, Washington D. C.
Mr. L. N. Olshan, Project Manager - Hatch

U. S. Nuclear Regulatory Commission, Region II
Mr. L. A. Reyes, Regional Administrator
Mr. J. T. Munday, Senior Resident Inspector - Hatch

Utility Data Institute, Inc.
Ms. Barbara Lewis - McGraw-Hill Companies

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Enclosure 1

Plant Hatch Unit 1
Monthly Operating Report
December 2001

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OPERATING DATA REPORT

Docket No.:	50-321
Unit Name:	E. I. Hatch Unit 1
Date:	January 2, 2002
Completed By:	R. M. Beard
Telephone:	(912) 367-7781 x2878

Operating Status

1. Reporting Period:	DECEMBER 2001
2. Design Electrical Rating (Net MWe):	864.6
3. Maximum Dependable Capacity (Net MWe):	863

	This Month	Year To Date	Cumulative
4. Number of Hours Reactor Was Critical:	744.0	8,709.1	182,514.4
5. Hours Generator On Line:	744.0	8,689.5	176,693.6
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	646,166	7,496,174	127,904,137

CHALLENGES TO MAIN STEAM SAFETY / RELIEF VALVES

Date	Tag No.	Event Description
		No challenges this month.

UNIT SHUTDOWNS

Docket No.:	50-321
Unit Name:	E. I. Hatch Unit 1
Date:	January 2, 2002
Completed By:	R. M. Beard
Telephone:	(912) 367-7781 x2878

Reporting Period: DECEMBER 2001

No.	Date	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 operated at rated thermal power for most of the month of December. The only exceptions were a load reduction on 12/2/01 to approximately 615 GMWe (~2070 CMWT) for a Control rod Sequence Exchange and Control Rod Drive Scram Time Testing. Load was then reduced further, to approximately 570 GMWE (~1795 CMWT), for Turbine Control Valve Testing and minor maintenance activities in the Condenser Bay. The unit was returned to rated thermal power later that day. The second load reduction occurred on 12/15/01, to approximately 880 GMWe (~2630 CMWT), for Turbine Stop Valve and Turbine Bypass Valve Testing. The unit was returned to rated thermal power a short time later.

Enclosure 2

Plant Hatch Unit 2
Monthly Operating Report
December 2001

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OPERATING DATA REPORT

Docket No.:	50-366
Unit Name:	E. I. Hatch Unit 2
Date:	January 2, 2002
Completed By:	R. M. Beard
Telephone:	(912) 367-7781 x2878

Operating Status

1. Reporting Period:	DECEMBER 2001
2. Design Electrical Rating (Net MWe):	859
3. Maximum Dependable Capacity (Net MWe):	878

	This Month	Year To Date	Cumulative
4. Number of Hours Reactor Was Critical:	594.3	7,670.9	158,102.7
5. Hours Generator On Line:	594.3	7,618.3	153,775.1
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	516,628	6,584,534	113,194,616

CHALLENGES TO MAIN STEAM SAFETY / RELIEF VALVES

Date	Tag No.	Event Description
		No challenges this month.

UNIT SHUTDOWNS

Docket No.:	50-366
Unit Name:	E. I. Hatch Unit 2
Date:	January 2, 2002
Completed By:	R. M. Beard
Telephone:	(912) 367-7781 x2878

Reporting Period: DECEMBER 2001

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
01-003	011225	F	149.7	A	3	An automatic reactor scram occurred due to high neutron flux due to failure of outboard MSIV, 2B21-F028B, Licensee Event Report 2-01-003. The cause of failure was determined to be valve stem seperation due to high cycle fatigue. The investigation continues to identify the exact conditions that resulted in the failure. The unit remains in a forced outage at the end of the reporting period due to repair of another damaged valve in the feedwater system.

(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 December operating at rated thermal power. Shift reduced load to approximately 565 GMWe (~1763 CMWT) on 12/14/01 to repair a steam leak on an inspection port manway cover on the "A" MSR Hotwell Drain Tank. Minor repairs in the Condenser Bay, monthly Turbine Stop Valve Testing, Turbine Bypass Valve Testing, and Control Rod Drive Exercises were completed while at reduced load. The unit was returned to rated thermal power early on 12/15/01. Shift reduced load again on 12/17/01 to approximately 910 GMWe (~2735 CMWT) to perform a rod pattern adjustment necessitated by the load reduction on 12/15/01. The unit was returned to rated thermal power within the hour. Another load reduction was initated on 12/19/01 to approximately 675 GMWe (~2070 CMWT) to perform additional repair to the steam leak on the "A" MSR Hotwell Drain Tank. The unit was returned to rated thermal power early 12/20/01. The unit then experienced an automatic reactor scram on high neutron flux due to failure of outboard MSIV, 2B21-F028B. Activities associated with the repair of the MSIV were completed around noon on 12/31/01; however, the unit remains in a forced outage due to the discovery of and need to repair damage to the 4th Stage "B" Feedwater Heater Bypass Valve, 2N21-F114B.