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SOUTHERN COMPANY
Energy to Serve Your World℠

November 5, 2002

Docket Nos. 50-321
50-366

HL-6321

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 October 2002 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. October Monthly Operating Report for Plant Hatch Unit 1
2. October 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. Joseph Colaccino, 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

IE24

Enclosure 1

Plant Hatch Unit 1
Monthly Operating Report
October 2002

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OPERATING DATA REPORT

Docket No.:	50-321
Unit Name:	E. I. Hatch Unit 1
Date:	November 1, 2002
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

Operating Status

1. Reporting Period:	OCTOBER 2002
2. Design Electrical Rating (Net MWe):	870
3. Maximum Dependable Capacity (Net MWe):	856

	This Month	Year To Date	Cumulative
4. Number of Hours Reactor Was Critical:	662.1	6,439.9	188,954.3
5. Hours Generator On Line:	627.5	6,315.2	183,008.7
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	526,141	5,354,945	133,259,082

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: November 1, 2002
Completed By: S. B. Rogers
Telephone: (912) 366-2000 x2279

Reporting Period: OCTOBER 2002

No.	Date (YYMMDD)	Type F. Forced S Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
02-003	021010	S	117.5	B	2	Shift inserted a manual scram and manually tripped the main turbine at approximately 48.5% of rated thermal power, following a planned load reduction from rated conditions. The unit was shut down for a planned maintenance outage to replace the "F", "J", and "L" main steam safety / relief valves. The safety / relief valves were replaced and the unit was later returned to rated thermal power.

(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 October operating at rated thermal power. Shift reduced load to approximately 805 GMWe (~2530 CMWT) on October 2 when power was lost to the fans on the Helper Cooling Tower, due to a faulted lightning arrester, and Main Condenser vacuum began to degrade. Power was restored to the cooling tower fans and the unit returned to rated thermal power later the same day. Shift reduced load to approximately 815 GMWe (~2540 CMWT) on October 5 to perform control rod drive exercises and returned the unit to rated thermal power later the same day. Shift reduced power to approximately 48.5% of rated thermal on October 10 then inserted a manual scram and tripped the main turbine to begin a planned maintenance outage, (see description of event 02-003 above for details). Shift began withdrawing control rods and brought the reactor critical on October 14. Shift tied the main generator to the grid on October 15 and began power ascension. The unit attained rated thermal power on October 18. Shift reduced load to approximately 855 GMWe (~2625 CMWT) on October 19 to perform control rod drive exercises and returned the unit to rated thermal power later the same day. Shift reduced load to approximately 865 GMWe (~2650 CMWT) on October 26 to perform control rod drive exercises. Shift then increased power to approximately 98% of rated thermal and performed turbine stop valve testing. The unit was returned to rated thermal power on October 27. Shift maintained unit operation at rated thermal power for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2
Monthly Operating Report
October 2002

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OPERATING DATA REPORT

Docket No.:	50-366
Unit Name:	E. I. Hatch Unit 2
Date:	November 1, 2002
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

Operating Status

1. Reporting Period:	OCTOBER 2002
2. Design Electrical Rating (Net MWe):	894
3. Maximum Dependable Capacity (Net MWe):	870

	This Month	Year To Date	Cumulative
4. Number of Hours Reactor Was Critical:	745.0	7,100.6	165,203.2
5. Hours Generator On Line:	745.0	7,080.8	160,855.9
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	644,486	6,140,540	119,335,156

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: November 1, 2002
Completed By: S. B. Rogers
Telephone: (912) 366-2000 x2279

Reporting Period: OCTOBER 2002

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 October operating at approximately 95% of rated thermal power with a power ascension in progress. The power ascension began on September 30 following the restart of the Reactor Recirculation Motor Generator Sets, which had tripped earlier that day. The unit attained rated thermal power on October 1. Shift reduced load to approximately 855 GMWe (~2610 CMWT) on October 2 to perform a rod pattern adjustment and returned the unit to rated thermal power later the same day. Shift later reduced load to approximately 830 GMWe (~2540 CMWT) on October 2 when power was lost to the fans on the Helper Cooling Tower, due to a faulted lightning arrester, and Main Condenser vacuum began to degrade. Power was restored to the cooling tower fans and the unit returned to rated thermal power later the same day. Shift reduced load to approximately 860 GMWe (~2640 CMWT) on October 6 to perform control rod drive exercises. The unit was returned to rated thermal power on October 7. Shift reduced load to approximately 390 GMWe (~1245 CMWT) on October 11 when Main Condenser vacuum began to degrade. Shift determined the "A" Steam Jet Air Ejector was not functioning properly, due to an increased water level in the main drain tank. Investigation revealed the condensate supply valves to the drain tank eductor failed to open, causing the increased water level. The valves were opened and the air ejector resumed proper operation. Shift returned the unit to rated thermal power later the same day.

(continued on page E2-2b)

UNIT SHUTDOWNS

Docket No.: 50-366
Unit Name: E. I. Hatch Unit 2
Date: November 1, 2002
Completed By: S. B. Rogers
Telephone: (912) 366-2000 x2279

Reporting Period: OCTOBER 2002

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

CAUSE/CORRECTIVE ACTION/COMMENTS:

NARRATIVE REPORT

Shift reduced load to approximately 870 GMWe (~2645 CMWT) on October 13 to perform control rod drive exercises and turbine stop valve testing. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 875 GMWe (~2650 CMWT) on October 20 to perform control rod drive exercises. The unit was returned to rated thermal power on October 21. Shift reduced load to approximately 715 GMWe (~2210 CMWT) on October 25 to perform a rod pattern adjustment. Maintenance activities were also performed in the Condenser Bay while at reduced load. Shift returned the unit to rated thermal power on October 26. Shift reduced load to approximately 870 GMWe (~2625 CMWT) on October 27 to perform control rod drive exercises. The unit was returned to rated thermal power on October 28. Shift maintained unit operation at rated thermal power for the remainder of the month.