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October 8, 2002

Docket Nos. 50-321
50-366

HL-6306

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 September 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,

A handwritten signature in cursive script that reads "Lewis Sumner".

H. L. Sumner, Jr.

IFL/eb

Enclosures:

1. September Monthly Operating Report for Plant Hatch Unit 1
2. September 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
September 2002

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OPERATING DATA REPORT

Docket No.: 50-321
Unit Name: E. I. Hatch Unit 1
Date: October 2, 2002
Completed By: S. B. Rogers
Telephone: (912) 366-2000 x2279

Operating Status

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

	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	<u>720.0</u>	<u>5,777.8</u>	<u>188,292.2</u>
5. Hours Generator On Line:	<u>720.0</u>	<u>5,687.6</u>	<u>182,381.2</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>612,821</u>	<u>4,828,804</u>	<u>132,732,941</u>

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: October 2, 2002
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Reporting Period: SEPTEMBER 2002

No.	Date (YYMMDD)	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F Forced S Scheduled				
						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 began the month of September with a power ascension in progress. The unit was operating at approximately 96% of rated thermal power following a load reduction on August 31 for control rod drive exercises and main turbine valve testing. The unit attained rated thermal power later on September 1. Shift reduced load to approximately 825 GMWe (~2540 CMWT) on September 7 to perform control rod drive exercises. The unit was returned to rated thermal power on September 8. Shift reduced load to approximately 850 GMWe (~2650 CMWT) on September 15 to perform control rod drive exercises. The unit was returned to rated thermal power on September 16. Shift reduced load to approximately 850 GMWe (~2650 CMWT) on September 21 to perform control rod drive exercises. The unit was returned to rated thermal power on September 22. Shift reduced load to approximately 515 GMWe (~1770 CMWT) on September 27 to perform a control rod sequence exchange, main turbine valve testing, and control rod drive exercises. Inspection and maintenance activities were also performed in the condenser bay while at reduced load. Shift began power ascension on September 28 and the unit attained rated thermal power on September 29. Shift reduced load to approximately 840 GMWe (~2590 CMWT) on September 30 to perform a rod pattern adjustment. The unit was returned to rated thermal power later the same day. Shift maintained unit operation at rated thermal power for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2
Monthly Operating Report
September 2002

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OPERATING DATA REPORT

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

Operating Status

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

	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	720.0	6,355.6	164,458.2
5. Hours Generator On Line:	720.0	6,335.8	160,110.9
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	607,799	5,496,054	118,690,670

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: October 2, 2002
 Completed By: S. B. Rogers
 Telephone: (912) 366-2000 x2279

Reporting Period: SEPTEMBER 2002

No.	Date (YYMMDD)	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F Forced S Scheduled				
						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 September operating at rated thermal power. Shift reduced load to approximately 870 GMWe (~2650 CMWT) on September 1 to perform control rod drive exercises. The unit was returned to rated thermal power on September 2. Shift reduced load to approximately 560 GMWe (~1795 CMWT) on September 6 to perform a control rod sequence exchange, scram time testing, turbine control valve testing, and control rod drive exercises. Maintenance activities were also performed in the condenser bay while at reduced load. Shift began power ascension on September 7 and the unit attained rated thermal power on September 9. Shift later reduced load to approximately 875 GMWe (~2650 CMWT) on September 9 to perform a rod pattern adjustment. The unit was returned to rated thermal power on September 10. Shift reduced load to approximately 890 GMWe (~2705 CMWT) on September 14 to perform turbine stop valve testing. Shift further reduced load to approximately 870 GMWe (~2650 CMWT) to perform control rod drive exercises. The unit was returned to rated thermal power on September 15. Shift reduced load to approximately 865 GMWe (~2650 CMWT) on September 22 to perform control rod drive exercises. The unit was returned to rated thermal power on September 23. Shift reduced load to approximately 860 GMWe (~2650 CMWT) on September 29 to perform control rod drive exercises. The unit was returned to rated thermal power on September 30.

(continued on page E2-2b)

UNIT SHUTDOWNS

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

Reporting Period: SEPTEMBER 2002

No.	Date (YYMMDD)	Type		Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F Forced	S Scheduled				
							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

The unit experienced a trip of the "A" Reactor Recirculation Motor Generator (M-G) Set on September 30. Reactor power immediately decreased and stabilized at approximately 70% of rated thermal. Shift further reduced power to approximately 58% of rated thermal, per plant procedure, for operation with only one reactor recirculation pump in service. Investigation revealed the "A" M-G Set tripped on low oil pressure when a filter in the oil system began to clog. The oil filters were replaced. Shift reduced power to approximately 36% of rated thermal and restarted the "A" M-G Set. Plans were subsequently made to change the oil filters on the "B" Reactor Recirculation Motor Generator (M-G) Set. Contingency actions were developed and discussed with involved personnel in anticipation of the "B" M-G Set tripping during replacement of the oil filters. The "B" M-G Set tripped on low oil pressure while valving out one of the oil filters. Reactor power immediately decreased to approximately 33% of rated thermal. The oil filters were replaced and Shift restarted the "B" M-G Set. Shift began power ascension later on September 30. The unit was operating at approximately 95% of rated thermal power, with the power ascension still in progress, at the end of this reporting period.