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March 11, 2002

Docket Nos. 50-321
50-366

HL-6202

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 February 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. February Monthly Operating Report for Plant Hatch Unit 1
2. February 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

IE24

Enclosure 1

Plant Hatch Unit 1
Monthly Operating Report
February 2002

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OPERATING DATA REPORT

Docket No.: 50-321
Unit Name: E. I. Hatch Unit 1
Date: March 1, 2002
Completed By: S. B. Rogers
Telephone: (912) 367-7781 x2878

Operating Status

1. Reporting Period: FEBRUARY 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:	579.0	1,323.0	183,837.4
5. Hours Generator On Line:	554.5	1,298.5	177,992.0
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	455,050	1,102,454	129,006,591

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: March 1, 2002
 Completed By: S. B. Rogers
 Telephone: (912) 367-7781 x2878

Reporting Period: FEBRUARY 2002

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F: Forced S: Scheduled				
02-001	020208	F	117.5	A	2	Shift inserted a manual scram and manually tripped the main turbine after reducing power to approximately 27% of rated thermal. The unit was shutdown due to elevated levels of hydrogen in the Main Condenser Off Gas System. Causes of the event and corrective actions to prevent reoccurrence are detailed in Licensee Event Report 1-02-001.

(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 February operating at rated thermal power. Shift inserted a manual scram and manually tripped the main turbine on 2/8/02, following a load reduction from rated thermal power, (see description of event 02-001 above for details). Shift began withdrawing control rods for unit startup and brought the reactor critical on 2/12/02. Shift tied the main generator to the grid and began power ascension on 2/13/02. The power ascension was halted at approximately 125 GMWe, after Shift discovered a steam supply valve to 2nd Stage of the Moisture Separator Reheaters (MSRs) would not open by means of the motor operator. A management decision was made to resume the power ascension with the 2nd Stage of the MSRs remaining out of service. This decision was based out of concern for personnel safety due to the valve not being easily accessed. Shift resumed power ascension on 2/14/02. The unit attained a maximum achievable thermal power of 2645 CMWT (~858 GMWe) on 2/15/02 with the 2nd Stage of the MSRs out of service. Shift reduced load to approximately 838 GMWe (~2565 CMWT) later on 2/15/02 to perform main turbine valve testing. The unit was returned to a maximum achievable thermal power of approximately 2650 CMWT (~865 GMWe) later the same day. Shift maintained unit operation at approximately 96% of rated thermal power with the 2nd Stage of the MSRs out of service for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2
Monthly Operating Report
February 2002

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OPERATING DATA REPORT

Docket No.: 50-366
Unit Name: E. I. Hatch Unit 2
Date: March 1, 2002
Completed By: S. B. Rogers
Telephone: (912) 367-7781 x2878

Operating Status

1. Reporting Period: FEBRUARY 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:	672.0	1,220.6	159,323.2
5. Hours Generator On Line:	672.0	1,200.8	154,975.9
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	596,336	1,044,934	114,239,550

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: March 1, 2002
Completed By: S. B. Rogers
Telephone: (912) 367-7781 x2878

Reporting Period: FEBRUARY 2002

No.	Date	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 operated at rated thermal power for most of the month of February. The only exception was when Shift reduced load to approximately 905 GMWe (~2705 CMWT) on 2/2/02 to perform turbine stop valve testing. The unit was returned to rated thermal power the next day.