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November 5, 2001

Docket Nos. 50-321  
50-366

HL-6148

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 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,

A handwritten signature in cursive script that reads "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. 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  
October 2001

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## OPERATING DATA REPORT

Docket No.: 50-321  
Unit Name: E. I. Hatch Unit 1  
Date: November 2, 2001  
Completed By: S. B. Rogers  
Telephone: (912) 367-7781 x2878

### Operating Status

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

	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	745.0	7,245.1	181,050.4
5. Hours Generator On Line:	745.0	7,225.5	175,229.6
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	649,534	6,221,133	126,629,096

### 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: November 2, 2001  
Completed By: S. B. Rogers  
Telephone: (912) 367-7781 x2878

Reporting Period: OCTOBER 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 October. The only exception was when Shift reduced load to approximately 885 GMWe (~2680 CMWT) on 10/20/01 to perform turbine stop valve testing. The unit was returned to rated thermal power later the same day.

Enclosure 2

Plant Hatch Unit 2  
Monthly Operating Report  
October 2001

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## OPERATING DATA REPORT

Docket No.: 50-366  
Unit Name: E. I. Hatch Unit 2  
Date: November 2, 2001  
Completed By: S. B. Rogers  
Telephone: (912) 367-7781 x2878

### Operating Status

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

	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	<u>188.8</u>	<u>6,356.5</u>	<u>156,788.4</u>
5. Hours Generator On Line:	<u>137.0</u>	<u>6,304.0</u>	<u>152,460.8</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>74,516</u>	<u>5,434,657</u>	<u>112,044,739</u>

### 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: November 2, 2001  
 Completed By: S. B. Rogers  
 Telephone: (912) 367-7781 x2878

**Reporting Period:** OCTOBER 2001

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
01-001	010915	S	539.3	C	4	The 16th Refueling Outage continued.
01-002	011026	F	68.7	A	3	An automatic scram occurred due to high neutron flux. The speed of the "B" Reactor Recirculation Pump unexpectedly decreased, then rapidly increased to near the "pre-event" value, resulting in the high flux scram. (continued below)

**(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:**

01-002 (continued)      The cause of this event has not yet been determined. Investigations of the event, indicated the "B" recirculation loop is functioning properly. Actions taken to prevent recurrence and to aid in determining the root cause of the event are as follows: a speed control card in the "B" recirculation loop has been replaced, administrative controls have been put into place to ensure pump speed remains stable during power operation, and instrumentation has been installed to allow monitoring of additional system parameters. (reference Licensee Event Report 2-01-002)

**NARRATIVE REPORT**

Activities associated with the 16th Refueling Outage continued into the month of October. Shift began fuel shuffle on 10/3/01 and the shuffle was completed on 10/6/01. Shift began withdrawing control rods for unit startup on 10/22/01 and brought the reactor critical later that day. Shift tied the Main Generator to the grid on 10/23/01 and ascended to approximately 33% of rated thermal power, at which time, main turbine bearing vibration began increasing and power was reduced to approximately 22.5% of rated. Shift resumed power ascension later that day and the unit attained approximately 50% of rated thermal power (~1382 CMWT) on 10/24/01. The unit was maintained at this power level to facilitate inspection and maintenance activities in the Condenser Bay, until 10/25/01, when Shift resumed a slow power ascension. The unit attained approximately 97% of rated thermal power (~2680 CMWT) later on 10/25/01.

(continued on page E2-2b)

## UNIT SHUTDOWNS

Docket No.: 50-366  
 Unit Name: E. I. Hatch Unit 2  
 Date: November 2, 2001  
 Completed By: S. B. Rogers  
 Telephone: (912) 367-7781 x2878

**Reporting Period:** OCTOBER 2001

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

**(1) Reason:**

A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training/License Examination  
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 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 790 GMWe (~2335 CMWT) on 10/26/01 for a rod pattern adjustment and ascended to rated thermal power later the same day. The unit experienced an automatic scram due to high neutron flux on 10/26/01, (see description of event 01-002 above for details). Shift began withdrawing control rods for unit startup and brought the reactor critical on 10/28/01. Shift tied the main generator to the grid on 10/29/01 and began power ascension. The unit attained approximately 98.5% of rated thermal power on 10/30/01. Shift reduced load to approximately 790 GMWe (~2350 CMWT) on 10/31/01 to perform a rod pattern adjustment and ascended to rated thermal power later that day. Shift maintained unit operation at rated thermal power for the remainder of the month.