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April 4, 2001

Docket Nos. 50-321  
50-366

HL-6065

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 March 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. March Monthly Operating Report for Plant Hatch Unit 1
2. March 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  
March 2001

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## OPERATING DATA REPORT

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

### Operating Status

1. Reporting Period:	MARCH 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:	693.1	2,109.1	175,914.4
5. Hours Generator On Line:	673.5	2,089.5	170,093.6
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	580,955	1,794,551	122,202,514

### CHALLENGES TO MAIN STEAM SAFETY / RELIEF VALVES

Date	Tag No.	Event Description
010328	1B21-F013A 1B21-F013B 1B21-F013C 1B21-F013G 1B21-F013H	<p>The unit experienced an automatic reactor scram on turbine control valve fast closure when the main turbine tripped. The turbine tripped due to a main generator load reject that resulted when a fault occurred in the "B" Unit Auxiliary Transformer. Five of eleven safety/relief valves actuated to reduce reactor pressure. Pressure did not reach the actuation setpoint for the six remaining valves. The "B" safety/relief valve closed as vessel pressure was reduced below the pre-event value. The low-low set safety/relief valves continued to operate in the low-low set mode until pressure decreased to their respective closure setpoints.</p> <p>(reference Licensee Event Report 1-01-003)</p>

## UNIT SHUTDOWNS

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

Reporting Period: MARCH 2001

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
01-001	010328	F	70.5	A	3	<p>An automatic reactor scram occurred due to turbine control valve fast closure when the main turbine tripped. The turbine tripped due to a main generator load reject that resulted when a fault occurred in the "B" Unit Auxiliary Transformer.</p> <p>The main generator was returned to the grid with the "B" Unit Auxiliary Transformer out of service. Initial testing confirmed that an internal fault had occurred in the transformer. Further testing is planned and the transformer will be repaired or replaced at a later date. (reference Licensee Event Report 1-01-003)</p>

**(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 March operating at rated thermal power. Shift reduced load to approximately 890 GMWe (~2705 CMWT) on 3/10/01 to perform turbine stop valve testing. The unit was returned to rated thermal power later that day. The unit experienced an automatic reactor scram from turbine control valve fast closure on 3/28/01, (see description of event 01-001 above for details). Shift began withdrawing control rods for a unit startup and brought the reactor critical on 3/30/01. Shift tied the main generator to the grid on 3/31/01 and began ascension to approximately 24% of rated thermal power. Shift maintained the unit at approximately 24% of rated thermal power for the remainder of the month while performing surveillance testing.

Enclosure 2

Plant Hatch Unit 2  
Monthly Operating Report  
March 2001

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## OPERATING DATA REPORT

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

### Operating Status

1. Reporting Period: MARCH 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:	744.0	2,160.0	152,591.8
5. Hours Generator On Line:	744.0	2,160.0	148,316.8
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	654,615	1,904,643	108,514,725

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

**Reporting Period:** MARCH 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 2 began the month of March operating at rated thermal power. Shift reduced load to approximately 900 GMWe (~2700 CMWT) on 3/3/01 to perform turbine stop valve testing. The unit was returned to rated thermal power on 3/4/01. Unit load was reduced to approximately 900 GMWe (~2700 CMWT) on 3/4/01 when Shift fully inserted and tagged out control rod 38-19. The rod could not be moved with normal drive water pressure while performing the weekly control rod drive exercises. Shift returned the unit to rated thermal power later that day. The unit experienced a loss of the "C" 600 Volt Bus on 3/8/01, which resulted in a runback of the "B" Reactor Recirculation Pump to its number 2 speed limiter. Reactor power decreased to approximately 70% of rated as a result of the runback. The bus tripped when a technician inadvertently shorted two contacts in an overcurrent relay case, while performing a routine calibration, causing a false over-current signal. The "C" 600 Volt Bus was returned to service approximately three minutes later. Upon re-energizing the bus, the "B" Reactor Recirculation Pump unexpectedly began to return to its original speed and flow, which resulted in an unplanned power ascension. Shift terminated the ascension at approximately 98% of rated thermal power. Shift returned the unit to rated thermal power later the same day. Shift placed the "A" 7th Stage Feedwater Heater on high level control on 3/17/01 to minimize leakage at the normal level control valve. Shift began reducing load to approximately 435 GMWe (~1380 CMWT) on 3/18/01 to repair the leak on the "A" 7th Stage Feedwater Heater normal level control valve. The unit was returned to rated thermal power later the same day. Shift returned the "A" 7th Stage Feedwater Heater to high level control on 3/27/01 after the leak on the normal level control valve degraded. Shift reduced load to approximately 900 GMWe (~2745 CMWT) on 3/29/01 to remove the Process Computer from service to facilitate the re-location of computer hardware. The unit was returned to rated thermal power later that day. Shift reduced load to approximately 890 GMWe (~2700 CMWT) on 3/31/01 to perform turbine stop valve testing. Shift returned the unit to rated thermal power later the same day. Shift maintained unit operation at rated thermal power with the "A" 7th Stage Feedwater heater on high level control for the remainder of the month.