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January 11, 2000

Docket Nos. 50-321  
50-366

HL-5881

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 December 1999 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. December Monthly Operating Report for Plant Hatch Unit 1
2. December 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

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Enclosure 1

Plant Hatch Unit 1  
Monthly Operating Report  
December 1999

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## OPERATING DATA REPORT

Docket No.: 50-321  
 Unit Name: E. I. Hatch Unit 1  
 Date: January 3, 2000  
 Completed By: S. B. Rogers  
 Telephone: (912) 367-7781 x2878

### Operating Status

1. Reporting Period: DECEMBER 1999  
 2. Design Electrical Rating (Net MWe): 864.6  
 3. Maximum Dependable Capacity (Net MWe): 838

	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	744.0	7,422.7	166,163.0
5. Hours Generator On Line:	744.0	7,153.7	160,471.3
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	647,684	5,956,025	114,000,182

### **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: January 3, 2000  
 Completed By: S. B. Rogers  
 Telephone: (912) 367-7781 x2878

**Reporting Period:**     DECEMBER 1999

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 began the month of December operating at rated thermal power. Shift reduced load to approximately 835 GMWe on 12/1/99 when power was lost to the fans on the Helper Cooling Tower and Main Condenser vacuum began to degrade. The loss of power to the fans occurred when a truck backed into a utility pole causing an electrical fault on the line. Power was restored to the Helper Cooling Tower and the unit returned to rated thermal power later the same day. Shift reduced load to approximately 895 GMWe on 12/4/99 to perform turbine stop valve testing. The unit was returned to rated thermal power later that day. Shift reduced load to approximately 705 GMWe on 12/11/99 to remove the "C" Condensate Pump from service to repair a leak in the motor cooling coil. The leak was repaired and the unit returned to rated thermal power on 12/12/99. Shift reduced load to approximately 800 GMWe on 12/21/99 to remove the "A" Cooling Tower from service after a crack was identified on a valve in the distribution header. Shift increased load to approximately 895 GMWe later the same day with the "A" Cooling Tower out of service. Shift reduced load to approximately 850 GMWe on 12/22/99 to return the "A" Cooling Tower to service. The unit was returned to rated thermal power later that day. Shift maintained the unit at rated thermal power for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2  
Monthly Operating Report  
December 1999

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## OPERATING DATA REPORT

Docket No.: 50-366  
 Unit Name: E. I. Hatch Unit 2  
 Date: January 3, 2000  
 Completed By: S. B. Rogers  
 Telephone: (912) 367-7781 x2878

### Operating Status

1. Reporting Period: DECEMBER 1999  
 2. Design Electrical Rating (Net MWe): 859  
 3. Maximum Dependable Capacity (Net MWe): 855

	<u>This Month</u>	<u>Year To Date</u>	<u>Cumulative</u>
4. Number of Hours Reactor Was Critical:	744.0	8,348.0	142,494.9
5. Hours Generator On Line:	744.0	8,173.8	138,272.8
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	655,266	7,073,625	99,709,797

### **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: January 3, 2000  
 Completed By: S. B. Rogers  
 Telephone: (912) 367-7781 x2878

**Reporting Period:** DECEMBER 1999

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 December operating at approximately 2708 CMWT. Shift reduced load to approximately 855 GMWe on 12/1/99 when power was lost to the fans on the Helper Cooling Tower and Main Condenser vacuum began to degrade. The loss of power to the fans occurred when a truck backed into a utility pole causing an electrical fault on the line. Power was restored to the Helper Cooling Tower and the unit returned to approximately 2708 CMWT later the same day. Shift reduced load to approximately 620 GMWe on 12/19/99 to perform a control rod sequence exchange, scram time testing, turbine control valve testing, and to change oil in the "C" Condensate Booster pump. The unit was returned to approximately 2708 CMWT later that day. Shift maintained the unit at approximately 2708 CMWT for the remainder of the month.