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January 7, 2003

Docket Nos. 50-321  
50-366

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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 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/dj

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  
Document Services (R-Type CHA02.004)

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  
December 2002

Table of Contents

	<u>Page</u>
Operating Data Report	E1-1
Unit Shutdowns and Power Reductions	E1-2

## OPERATING DATA REPORT

Docket No : 50-321  
Unit Name: E. I. Hatch Unit 1  
Date: January 2, 2003  
Completed By: S. B. Rogers  
Telephone: (912) 366-2000 x2279

### Operating Status

1. Reporting Period: DECEMBER 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>744.0</u>	<u>7,903.9</u>	<u>190,418.3</u>
5. Hours Generator On Line:	<u>744.0</u>	<u>7,779.2</u>	<u>184,472.7</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>643,772</u>	<u>6,627,111</u>	<u>134,531,248</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: January 2, 2003  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

Reporting Period: DECEMBER 2002

No.	Date (YYMMDD)	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 with a power ascension in progress. The unit was operating at approximately 99% of rated thermal power following a load reduction on November 30 for control rod drive exercises and turbine stop valve testing. The unit attained rated thermal power later on December 1. Shift reduced load to approximately 865 GMWe (~2650 CMWT) on December 7 to perform control rod drive exercises. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 545 GMWe (~1795 CMWT) on December 13 to perform a control rod sequence exchange, scram time testing, control rod drive exercises, and main turbine valve testing. An inspection was also performed in the condenser bay while at reduced load. Shift began power ascension on December 14 and the unit attained rated thermal power on December 15. Shift reduced load to approximately 860 GMWe (~2650 CMWT) on December 21 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to rated thermal power on December 22. Shift reduced load to approximately 890 GMWe (~2725 CMWT) on December 24 due to the loss of the Process Computer. Shift returned the unit to rated thermal power later the same day. Shift reduced load to approximately 825 GMWe (~2525 CMWT) on December 28 to perform control rod drive exercises. The unit was returned to rated thermal power on December 29. Shift maintained unit operation at rated thermal power for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2  
Monthly Operating Report  
December 2002

Table of Contents

	<u>Page</u>
Operating Data Report	E2-1
Unit Shutdowns and Power Reductions	E2-2

## OPERATING DATA REPORT

Docket No.: 50-366  
Unit Name: E. I. Hatch Unit 2  
Date: January 2, 2003  
Completed By: S. B. Rogers  
Telephone: (912) 366-2000 x2279

### Operating Status

1. Reporting Period: DECEMBER 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:	<u>744.0</u>	<u>8,564.6</u>	<u>166,667.2</u>
5. Hours Generator On Line:	<u>744.0</u>	<u>8,544.8</u>	<u>162,319.9</u>
6. Unit Reserve Shutdown Hours	<u>0 0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated.	<u>657,529</u>	<u>7,423,286</u>	<u>120,617,902</u>

### 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: January 2, 2003  
 Completed By: S. B. Rogers  
 Telephone: (912) 366-2000 x2279

Reporting Period: DECEMBER 2002

No.	Date (YYMMDD)	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 rated thermal power. Shift reduced load to approximately 855 GMWe (~2540 CMWT) on December 1 to perform control rod drive exercises. The unit was returned to rated thermal power on December 2. Shift reduced load to approximately 885 GMWe (~2650 CMWT) on December 8 to perform control rod drive exercises and main turbine stop valve testing. The unit was returned to rated thermal power on December 9. Shift reduced load to approximately 885 GMWe (~2650 CMWT) on December 15 to perform control rod drive exercises. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 845 GMWe (~2540 CMWT) on December 22 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 880 GMWe (~2645 CMWT) on December 29 to perform control rod drive exercises. The unit was returned to rated thermal power on December 30. Shift maintained unit operation at rated thermal power for the remainder of the month.