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**December 11, 2000**

Docket Nos. 50-321  
50-366

HL-6023

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 November 2000 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. November Monthly Operating Report for Plant Hatch Unit 1
2. November 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  
November 2000**

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## OPERATING DATA REPORT

Docket No.: 50-321  
Unit Name: E. I. Hatch Unit 1  
Date: December 6, 2000  
Completed By: R. M. Beard  
Telephone: (912) 367-7781 x2878

### Operating Status

1. Reporting Period: NOVEMBER 2000  
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:	<u>655.3</u>	<u>6,898.3</u>	<u>173,061.3</u>
5. Hours Generator On Line:	<u>603.9</u>	<u>6,788.8</u>	<u>167,260.1</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>443,536</u>	<u>5,754,335</u>	<u>119,754,517</u>

### 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: December 6, 2000  
 Completed By: R. M. Beard  
 Telephone: (912) 367-7781 x2878

**Reporting Period:** NOVEMBER 2000

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F: Forced S: Scheduled				
00-005	000929	S	52.4	C	4	The 19th Refueling Outage continued.
00-006	001103	S	1.3	B	5	Unit off-line for Turbine Overspeed Trip Testing.
00-007	001106	F	62.4	B	2	Unit taken off-line to hot shutdown to repair the cause of a large pressure drop across the Condensate Demineralizer System Outlet Block Valve. Found pin connecting butterfly disc to valve stem sheared. Valve internals were removed as valve served no function during normal unit operation.

**(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 November with the 19th Refueling Outage in progress. Shift began unit startup and performed Turbine Overspeed Trip Testing on 11/3/00. Shift personnel encountered a low suction pressure at the Condensate Booster Pumps at approximately 82% power during the ascension to rated thermal power on 11/4/00. Load was reduced and the unit shutdown on 11/6/00 to remove the internals of 1N21-F253, Condensate Demineralizer Outlet Block Valve. The pin attaching the butterfly disc to the stem had failed causing the valve to be partially closed. The unit was returned to power operation on 11/9/00 and attained rated thermal power on 11/10/00. A load reduction was completed on 11/11/00 to ~1770 CMWth to achieve the target rod pattern following the Refueling Outage. A minor load reduction to ~2710 CMWth occurred on 11/18/00 to perform Turbine Stop Valve Testing. Isolation of the 5th Stage "A" Feedwater Heater resulted in another load reduction to ~2350 CMWth later that day, 11/18/00. The unit was returned to rated thermal power with the heater operating on high level control. Shift again reduced load on 11/18/00 to ~2685 CMWth when level indication for the "A" Main Condenser Hotwell went offscale. Shift maintained that power level for the next day pending an evaluation of the 5th Stage "A" Feedwater Heater operation on high level control

*(continued on page E1-2b)*

## UNIT SHUTDOWNS

Docket No.: 50-321  
 Unit Name: E. I. Hatch Unit 1  
 Date: December 6, 2000  
 Completed By: R. M. Beard  
 Telephone: (912) 367-7781 x2878

**Reporting Period:** NOVEMBER 2000

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  
 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

**CAUSE/CORRECTIVE ACTION/COMMENTS:**

### NARRATIVE REPORT

where upon the unit was returned to rated thermal power. Shift reduced load to ~2150 CMWth when the "Turbine Vacuum Low" annunciator was recieved on 11/23/00 and they discovered the #4 Turbine Control Valve had closed and the #1 & #2 Turbine Bypass Valves had opened. Unit power was maintained at that level, sufficient to ensure that the #4 turbine Control Valve and the Bypass Valves remained closed, until Shift reduced load to ~1805 CMWth on 11/24/00 to replace the servo-strainer on the #4 Turbine Control Valve. Shift subsequently attempted to ascend to rated thermal power when the #4 Turbine Control Valve closed at ~2440 CMWth. Power was reduced to ~2360 CMWth and maintained at that level until a planned load reduction was initiated later that evening. The load reduction included repair of a steam leak on the "A" MSR, repair of the low level control valve on the 5th Stage "A" Feedwater Heater, and replacement of the level transmitter for the "A" Main Condenser Hotwell. Corroded lugs on a terminal strip at the #4 Turbine Control Valve were identified as the cause of improper valve operation. Shift returned the unit to rated thermal power on 11/26/00. Shift performed a minor load reduction later that day, 11/26/00, to achieve the target rod pattern after allowing core xenon concentrations to attain near equilibrium values. Shift maintained the unit at rated thermal power for the remainder of the month.

**Enclosure 2**

**Plant Hatch Unit 2  
Monthly Operating Report  
November 2000**

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## OPERATING DATA REPORT

Docket No.: 50-366  
Unit Name: E. I. Hatch Unit 2  
Date: December 6, 2000  
Completed By: R. M. Beard  
Telephone: (912) 367-7781 x2878

### Operating Status

1. Reporting Period: NOVEMBER 2000  
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>720.0</u>	<u>7,193.0</u>	<u>149,687.8</u>
5. Hours Generator On Line:	<u>720.0</u>	<u>7,140.1</u>	<u>145,412.8</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>634,846</u>	<u>6,233,944</u>	<u>105,943,741</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: December 6, 2000  
 Completed By: R. M. Beard  
 Telephone: (912) 367-7781 x2878

**Reporting Period:** NOVEMBER 2000

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 November operating at rated thermal power. Shift reduced load to approximately 905 GMWe (~2710 CMWT) on 11/11/00 for Turbine Stop Valve Testing. Another load reduction to 660 GMWe (~2070 CMWth) was performed on 11/16/00 for a Control Rod Sequence Exchange and Scram Time Testing of selected Control Rod Drives. Shift reduced load further on 11/17/00, to 440 GMWe (~1385 CMWth), to repair leaks in the Condenser Bay, replace selected servo-strainers in the EHC System, and repair a MSIV limit switch in the Steam Chase. Shift returned the unit to rated thermal power on 11/18/00 and maintained the unit at rated thermal power for the remainder of the month.