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May 15, 2000

Docket Nos. 50-321
50-366

HL-5939

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 April 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 "H. L. Sumner, Jr.".

H. L. Sumner, Jr.

IFL/eb

Enclosures:

1. April Monthly Operating Report for Plant Hatch Unit 1
2. April 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
April 2000

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OPERATING DATA REPORT

Docket No.:	50-321
Unit Name:	E. I. Hatch Unit 1
Date:	May 9, 2000
Completed By:	R. M. Beard
Telephone:	(912) 367-7781 x2878

Operating Status

1. Reporting Period:	APRIL 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:	719.0	2,684.4	168,847.3
5. Hours Generator On Line:	719.0	2,643.3	163,114.6
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	628,070	2,286,426	116,286,608

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: May 9, 2000
 Completed By: R. M. Beard
 Telephone: (912) 367-7781 x2878

Reporting Period: APRIL 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 1 operated at rated thermal power for most of the month of April. The only power reduction occurred when Shift reduced load to approximately 605 GMWe (~2070 CMWTh) on 4/16/00 to perform a Rod Sequence Exchange and Scram Time Testing on selected control rod drives. Shift then reduced load further to approximately 595 GMWe (~1800 CMWTh) to perform Turbine Control Valve and Bypass Valve Testing. The unit was returned to rated thermal power later that day, 4/16/00.

Enclosure 2
Plant Hatch Unit 2
Monthly Operating Report
April 2000

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OPERATING DATA REPORT

Docket No.:	50-366
Unit Name:	E. I. Hatch Unit 2
Date:	May 9, 2000
Completed By:	R. M. Beard
Telephone:	(912) 367-7781 x2878

Operating Status

1. Reporting Period:	APRIL 2000
2. Design Electrical Rating (Net MWe):	859
3. Maximum Dependable Capacity (Net MWe):	878

	This Month	Year To Date	Cumulative
4. Number of Hours Reactor Was Critical:	543.9	2,056.0	144,550.8
5. Hours Generator On Line:	491.0	2,003.1	140,275.8
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	371,912	1,685,036	101,394,833

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: May 9, 2000
 Completed By: R. M. Beard
 Telephone: (912) 367-7781 x2878

Reporting Period: APRIL 2000

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F: Forced S: Scheduled				
00-001	000304	S	208.0	C	4	The 15th Refueling Outage continued.
00-002	000409	F	1.8	H	4	Shift manually tripped the turbine due to erratic Bypass Valve operation. Shift swapped EHC system filter and continued with unit start-up.
00-003	000409	F	17.4	H	4	Main Turbine tripped on low lube oil pressure signal. The tolerance on the pressure switch reset was found a little high such that the switch did not reset prior to reaching 1300 rpm.
00-004	000410	S	0.8	B	5	Turbine Overspeed Trip Testing.

(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
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CAUSE/CORRECTIVE ACTION/COMMENTS:

NARRATIVE REPORT

Activities associated with the 15th Refueling Outage continued into the month of April. The unit experienced two start failures (see above) prior to placing the unit on-line. Shift tied the unit to the grid on 4/10/00 and proceeded slowly with power ascension while maintaining reactor water filterable solids within limits. Power ascension was halted at approximately 94% of rated thermal power (~2600 CMWTh) upon receiving a half scram on 4/13/00. Later that day, 4/13/00, Shift reduced load to perform a rod pattern adjustment and review the EHC System valve alignment as a potential source of the half scram. The unit was returned to 90% of rated thermal power (~2490 CMWTh) while investigation into the half scram continued. Shift ascended to 95% of rated thermal power (~2625 CMWTh) on 4/15/00, received another half scram and promptly reduced power to 92.5% of rated thermal power (~2560 CMWTh). Later that day, 4/15/00, Shift reduced load to approximately 755 GMWe (~2240 CMWTh) for replacement of the Turbine Control Valve fast closure pressure switch which proved to be the source of the half
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(1) Reason:

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(2) METHOD

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- 4-Continuation
- 5-Other

CAUSE/CORRECTIVE ACTION/COMMENTS:

NARRATIVE REPORT

scram signal. Ascension to rated thermal power was halted at 94% of rated thermal power (~2600 CMWTh) due to greater than expected oscillations of the #4 Turbine Control Valve. Shift slowly increased power to 95% of rated thermal power (~2625 CMWTh) on 4/18/00 and continued operation at that power level until 4/26/00 when load was reduced to approximately 851 GMWe (~2515 CMWTh) to repair an oil leak on the "C" Condensate Booster Pump. The unit was returned to 95% of rated thermal power (~2625 CMWTh) on 4/27/00. Shift reduced load to approximately 115 GMWe (~500 CMWTh) on 4/29/00 to replace the Diode Function Generator card in the EHC System control loop and repair steam leaks on the 4th Stage Feedwater Heaters. The unit achieved rated thermal power on 4/30/00. Shift reduced load to approximately 590 GMWe (~1800 CMWTh) later that day for a rod pattern adjustment. Ascension to rated thermal power was in progress at the close of April with the unit at approximately 2490 CMWTh (~880 GMWe).