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April 7, 2004

Docket Nos.: 50-321 50-366

U. S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D. C. 20555-0001

Edwin I. Hatch Nuclear Plant Monthly Operating Reports

Ladies and Gentlemen:

Enclosed are the March 2004 Monthly Operating Reports as required by section 5.6.4 of the Technical Specifications.

If you have any questions, please advise.

Sincerely, XINN

H. L. Sumner, Jr.

HLS/IL/daj

Enclosures: E1 – HNP Unit 1 Monthly Operating Report E2 – HNP Unit 2 Monthly Operating Report

cc: <u>Southern Nuclear Operating Company</u> Mr. J. B. Beasley, Jr., Executive Vice President Mr. G. R. Frederick, General Manager – Plant Hatch RTYPE: CHA02.004

> <u>U. S. Nuclear Regulatory Commission</u> Mr. L. A. Reyes, Regional Administrator Mr. C. Gratton, NRR Project Manager – Hatch Mr. D. S. Simpkins, Senior Resident Inspector – Hatch

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Enclosure 1

Plant Hatch Unit 1 Monthly Operating Report <u>March 2004</u>

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Operating Data Report

Unit Shutdowns

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OPERATING DATA REPORT

Docket No.:	50-321
Unit Name:	E. I. Hatch Unit 1
Date:	April 1, 2004
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

Operating Status

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Reporting Period: Design Electrical Rating (Net MWe): Maximum Dependable Capacity (Net MWe):	MARCH 2004 870 856		
	This Month	Year To Date	<u>Cumulative</u>
Number of Hours Reactor Was Critical:	462.6	1,519.1	200,392.0
Hours Generator On Line:	390.4	1,446.4	194,357.2
Unit Reserve Shutdown Hours:	0.0	0.0	0.0
Net Electrical Energy Generated:	260,187	1,110,826	142,788,995
	Reporting Period: Design Electrical Rating (Net MWe): Maximum Dependable Capacity (Net MWe): Number of Hours Reactor Was Critical: Hours Generator On Line: Unit Reserve Shutdown Hours: Net Electrical Energy Generated:	Reporting Period: MARCH 2004 Design Electrical Rating (Net MWe): 870 Maximum Dependable Capacity (Net MWe): 856 This Month Number of Hours Reactor Was Critical: 462.6 Hours Generator On Line: 390.4 Unit Reserve Shutdown Hours: 0.0 Net Electrical Energy Generated: 260,187	Reporting Period:MARCH 2004Design Electrical Rating (Net MWe):870Maximum Dependable Capacity (Net MWe):856This MonthYear To DateNumber of Hours Reactor Was Critical:462.6Hours Generator On Line:390.4Unit Reserve Shutdown Hours:0.0Net Electrical Energy Generated:260,187

CHALLENGES TO MAIN STEAM SAFETY / RELIEF VALVES

Date (YYMMDD)	Tag No.	Event Description
		No challenges this month.

Docket No .:	50-321
Unit Name:	E. I. Hatch Unit 1
Date:	April 1, 2004
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

Reporting Period: MARCH 2004

Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
040214	s	329.8	с	4	The 21st Refueling Outage continued.
040314	F	7.5	н	5	Shift manually tripped the main turbine. (see below)
040315	F	7.7	н	5	Shift manually tripped the main turbine. (see below)
040317	F	8.6	н	5	Shift manually tripped the main turbine. (see below)
-	Date (YYMMDD) 040214 040314 040315 040317	Type Date F: Forced (YYMMDD) S: Scheduled 040214 S 040314 F 040315 F 040317 F	TypeDateF: ForcedDuration(YYMMDD)S: Schedured(Hours)040214S329.8040314F7.5040315F7.7040317F8.6	Type DateType F: ForcedDuration Duration (Hours)Reason (1)040214S329.8C040314F7.5H040315F7.7H040317F8.6H	Type DateType F: ForcedDuration (Hours)Method of Shutting Down (2)040214S329.8C4040314F7.5H5040315F7.7H5040317F8.6H5

(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:

EventsBoth low pressure turbine rotors along with new seals and packings were replaced during the refueling04-002outage. These were of a different design than the ones removed. The turbine required a "break-in"04-003period after tying the unit to the grid. The unit was tied to the grid and the turbine was manually tripped04-004three times due to increasing vibration during this "break-in" period. The unit was re-tied to the gridoutage.following the third manual trip and was slowly increased to maximum operating power.

NARRATIVE REPORT

Activities associated with the 21st Refueling Outage continued into the month of March. Shift began fuel shuffle on March 1 and the shuffle was completed on March 5. Shift began withdrawing control rods for unit startup on March 12 and brought the reactor critical later the same day. Shift tied the main generator to the grid on March 14, then manually tripped the main turbine twenty five minutes later due to increasing vibration, (see description of event 04-002 above for details). Shift tied the main generator to the grid on March 15 and manually tripped the main turbine later the same day due to increasing vibration, (see description of event 04-003 above for details). Shift re-tied the main generator to the grid on March 15 and began a slow power ascension. The unit attained approximately 260 GMWe (~935 CMWT) on March 17. Shift later reduced load on March 17 due to increasing turbine vibration and manually tripped the main turbine at approximately 100 GMWe, (see description of event 04-004 above for details). Shift continued to reduce reactor power to approximately 440 CMWT following the turbine trip.

(continued on page E1-2b)

Docket No.:	50-321
Unit Name:	E. I. Hatch Unit 1
Date:	April 1, 2004
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

Reporting Period: MARCH 2004

		Туре			Method of	
	Date	F: Forced	Duration		Shutting	Cause/Corrective Actions
No.	(YYMMDD)	S: Scheduled	(Hours)	Reason (1)	Down (2)	Comments
						See page E1-2a.
(1) Reason:					(2) METH	סט
A-Equipment Failure (Explain)					1-Manual	
B-Maintenance or Test					2-Manual 1	Frip/Scram
C-Refueling					3-Automati	ic Trip/Scram
D-Regulatory Restriction					4-Continua	ition
E-Operator Training/License Examination					5-Other	
F-Administrative						
G-Operational Error (Evolain)						
U Other (Evolution)						
	хріані					

CAUSE/CORRECTIVE ACTION/COMMENTS:

NARRATIVE REPORT

Shift re-tied the main generator to the grid on March 17 and began power ascension. The unit attained approximately 300 GMWe (~1040 CMWT) on March 19. Shift reduced load to approximately 200 GMWe (~730 CMWT) later the same day and performed a rod pattern adjustment. Shift resumed power ascension and the unit attained approximately 820 GMWe (~2495 CMWT) on March 20. Shift reduced load to approximately 665 GMWe (~2020 CMWT) on March 21 and performed a rod pattern adjustment. Shift resumed power ascension and the unit attained the maximum operating power (MOP) of 2763 CMWT on March 22. Shift reduced load to approximately 770 GMWe (~2325 CMWT) later on March 22 and performed a rod pattern adjustment. The unit was returned to MOP on March 23. Shift reduced load to approximately 870 GMWe (~2635 CMWT) on March 27 to perform control rod drive exercises and main turbine valve testing. The unit was returned to MOP on March 28. Shift reduced load to approximately 845 GMWe (~2545 CMWT) on March 28. Shift reduced load to approximately 845 GMWe (~2545 CMWT) on March 29 after power was lost to the fans on the Helper Cooling Tower. The loss of power resulted from a fire on a power pole outside the protected area. Power was restored to the fans and the unit was returned to MOP later the same day. Shift maintained the unit at maximum operating power for the remainder of the month.

Enclosure 2

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Plant Hatch Unit 2 Monthly Operating Report <u>March 2004</u>

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OPERATING DATA REPORT

Docket No.:	50-366
Unit Name:	E. I. Hatch Unit 2
Date:	April 1, 2004
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

Operating Status

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1.	Reporting Period:	MARCH 2004		
2.	Design Electrical Rating (Net MWe):	908		
3.	Maximum Dependable Capacity (Net MWe):	883		
		This Month	Year To Date	Cumulative
4.	Number of Hours Reactor Was Critical:	744.0	2,184.0	176,944.9
5.	Hours Generator On Line:	744.0	2,184.0	172,556.5
6.	Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7.	Net Electrical Energy Generated:	662,680	1,941,693	129,522,105

CHALLENGES TO MAIN STEAM SAFETY / RELIEF VALVES

Date (YYMMDD)	Tag No.	Event Description
		No challenges this month.

Docket No.:	50-366
Unit Name:	E. I. Hatch Unit 2
Date:	April 1, 2004
Completed By:	S. B. Rogers
Telephone:	(912) 366-2000 x2279

Reporting Period: MARCH 2004

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 March operating at approximately 93.5% of rated thermal power. The unit was at reduced load to facilitate control rod drive exercises and main turbine valve testing. The unit was returned to the maximum operating power (MOP) of 2777 CMWT on March 1. Shift began reducing load to approximately 845 GMWe (~2495 CMWT) on March 7 to perform control rod drive exercises and a rod pattern adjustment. The unit was returned to MOP on March 8. Shift reduced load to approximately 875 GMWe (~2635 CMWT) on March 14 to perform control rod drive exercises. The unit was returned to MOP on March 15. Shift reduced load to approximately 875 GMWe (~2635 CMWT) on March 21 to perform control rod drive exercises. The unit was returned to MOP on March 22. Shift reduced load to approximately 875 GMWe (~2635 CMWT) on March 28 to perform control rod drive exercises and main turbine valve testing. The unit was returned to MOP on March 29. Shift reduced load to approximately 860 GMWe (~2550 CMWT) on March 29 after power was lost to the fans on the Helper Cooling Tower. The loss of power resulted from a fire on a power pole outside the protected area. Power was restored to the fans and the unit was returned to MOP later the same day. Shift maintained the unit at maximum operating power for the remainder of the month.