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August 4, 2000

Docket Nos. 50-321
50-366

HL-5968

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 July 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. July Monthly Operating Report for Plant Hatch Unit 1
2. July 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

Handwritten initials "IE24" in a large, stylized font.

Enclosure 1

**Plant Hatch Unit 1
Monthly Operating Report
July 2000**

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OPERATING DATA REPORT

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

Operating Status

1. Reporting Period: JULY 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:	664.7	4,813.1	170,976.0
5. Hours Generator On Line:	647.7	4,755.0	165,226.3
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	540,109	4,093,969	118,094,151

CHALLENGES TO MAIN STEAM SAFETY / RELIEF VALVES

Date	Tag No.	Event Description
000710	1B21-F013A 1B21-F013B 1B21-F013C 1B21-F013D 1B21-F013F 1B21-F013G 1B21-F013H 1B21-F013K 1B21-F013L	The unit experienced an automatic reactor scram on turbine stop valve fast closure when the main turbine tripped. The turbine tripped when the vibration instrument on the #10 bearing failed, causing a false high vibration trip signal to be generated. Nine of eleven safety/relief valves actuated to reduce reactor pressure. Pressure did not reach the actuation setpoint for the two remaining valves. As vessel pressure was reduced below the pre-event value, all but the four low-low set safety/relief valves closed. The low-low set safety/relief valves continued to operate in the low-low set mode until pressure decreased to their respective closure setpoints. (reference Licensee Event Report 1-00-004)

UNIT SHUTDOWNS

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

Reporting Period: JULY 2000

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
00-003	000710	F	96.3	A	3	<p>An automatic reactor scram occurred due to turbine stop valve fast closure when the main turbine tripped. The turbine tripped when the vibration instrument on the #10 bearing failed, causing a false high vibration signal to be generated.</p> <p>The vibration instrument for the #10 bearing was replaced. Additionally, the remaining vibration instruments were inspected. As a result of this inspection, the shaft rider probe on the vibration instrument for the #6 bearing was replaced. (reference Licensee Event Report 1-00-004)</p>

(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 July operating at rated thermal power. Shift reduced load to approximately 880 GMWe (~2700 CMWT) on 7/1/00 to perform turbine stop valve testing. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 660 GMWe (~2070 CMWT) on 7/9/00 to perform a control rod sequence exchange and scram time testing. Shift further reduced load to approximately 575 GMWe (~1795 CMWT) on 7/9/00 to perform turbine control valve testing. The unit was returned to rated thermal power later the same day. The unit experienced an automatic scram on turbine stop valve fast closure on 7/10/00, (see description of event 00-003 for details). Shift brought the reactor critical on 7/13/00. Shift tied the main generator to the grid on 7/14/00 and began power ascension. Power ascension was terminated on 7/15/00 with the unit at approximately 2485 CMWT. Shift reduced load to approximately 665 GMWe (~2070 CMWT) on 7/16/00 to perform a rod pattern adjustment. The unit was returned to rated thermal power later the same day. Shift reduced load to approximately 880 GMWe (~2700 CMWT) on 7/29/00 to perform turbine stop valve testing. The unit was returned to rated thermal power later the same day. Shift maintained the unit at rated thermal power for the remainder of the month.

Enclosure 2

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

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OPERATING DATA REPORT

Docket No.: 50-366
 Unit Name: E. I. Hatch Unit 2
 Date: August 1, 2000
 Completed By: S. B. Rogers
 Telephone: (912) 367-7781 x2878

Operating Status

1. Reporting Period: JULY 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>744.0</u>	<u>4,264.0</u>	<u>146,758.8</u>
5. Hours Generator On Line:	<u>744.0</u>	<u>4,211.1</u>	<u>142,483.8</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>658,590</u>	<u>3,640,541</u>	<u>103,350,338</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: August 1, 2000
 Completed By: S. B. Rogers
 Telephone: (912) 367-7781 x2878

Reporting Period: JULY 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 operated at rated thermal power for most of the month of July. The only exception was when Shift reduced load to approximately 900 GMWe (~2700 CMWT) on 7/23/00 to perform turbine stop valve testing. The unit was returned to rated thermal power later the same day.