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May 7, 2002

Docket Nos. 50-321
50-366

HL-6241

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 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/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 2002

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OPERATING DATA REPORT

Docket No.: 50-321
Unit Name: E. I. Hatch Unit 1
Date: May 1, 2002
Completed By: S. B. Rogers
Telephone: (912) 367-7781 x2279

Operating Status

1. Reporting Period: APRIL 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:	254.4	2,105.8	184,620.2
5. Hours Generator On Line:	189.2	2,015.6	178,709.2
6. Unit Reserve Shutdown Hours:	0.0	0.0	0.0
7. Net Electrical Energy Generated:	141,137	1,670,173	129,574,310

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 1, 2002
 Completed By: S. B. Rogers
 Telephone: (912) 367-7781 x2279

Reporting Period: APRIL 2002

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F: Forced S: Scheduled				
02-002	020323	S	529.8	C	4	The 20th Refueling Outage continued.

(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

Activities associated with the 20th Refueling Outage continued into the month of April. Shift began fuel shuffle on 4/5/02 and the shuffle was completed on 4/10/02. Shift began withdrawing control rods for unit startup on 4/18/02 and brought the reactor critical later the same day. Power ascension was halted at approximately 18.5% of rated on 4/19/02 to perform Safety Relief Valve (SRV) testing. Testing of the "J" SRV was unsuccessful. Power was reduced to approximately 14% while an investigation of the "J" SRV was conducted. Shift resumed power ascension later on 4/19/02. The unit experienced an increase in drywell floor drain leakage prior to reaching 20% of rated thermal power. Shift began reducing power in preparation for a unit shutdown to investigate and repair the source of the floor drain leakage. Shift inserted a manual scram on 4/19/02 with the unit at approximately 9.5% of rated thermal power. Investigation revealed the source of the floor drain leakage, to be the "J" SRV tailpipe vacuum breaker. The "J" SRV and tailpipe vacuum breaker were replaced. Shift began withdrawing control rods for unit startup on 4/22/02 and brought the reactor critical later the same day. Shift increased power to approximately 15% of rated and successfully tested the "J" SRV. Shift later reduced power to approximately 9.5% of rated on 4/22/02 to facilitate the repair of duct work on a drywell cooler. Shift tied the Main Generator to the grid on 4/23/02 and began power ascension. The unit attained approximately 99.2% of rated thermal power on 4/24/02. Shift began reducing load to approximately 700 GMWe (~2155 CMWT) on 4/25/02 to perform a rod pattern adjustment. Shift began power ascension on 4/26/02 and the unit attained rated thermal power later that day. Shift reduced load to approximately 855 GMWe (~2570 CMWT) on 4/27/02 to perform control rod drive exercises. The unit was returned to rated thermal power later the same day. Shift maintained unit operation at rated thermal power for the remainder of the month.

Enclosure 2

Plant Hatch Unit 2
Monthly Operating Report
April 2002

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OPERATING DATA REPORT

Docket No.: 50-366
Unit Name: E. I. Hatch Unit 2
Date: May 1, 2002
Completed By: S. B. Rogers
Telephone: (912) 367-7781 x2279

Operating Status

1. Reporting Period: APRIL 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>719.0</u>	<u>2,683.6</u>	<u>160,786.2</u>
5. Hours Generator On Line:	<u>719.0</u>	<u>2,663.8</u>	<u>156,438.9</u>
6. Unit Reserve Shutdown Hours:	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. Net Electrical Energy Generated:	<u>626,992</u>	<u>2,324,493</u>	<u>115,519,109</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: May 1, 2002
 Completed By: S. B. Rogers
 Telephone: (912) 367-7781 x2279

Reporting Period: APRIL 2002

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause/Corrective Actions Comments
		F: Forced S: Scheduled				
						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 April operating at rated thermal power. Shift reduced load to approximately 680 GMWe (~2070 CMWT) on 4/7/02 to perform a control rod sequence exchange, scram time testing, and turbine control valve testing. Shift further reduced load to approximately 500 GMWe (~1565 CMWT) on 4/7/02 to perform maintenance activities in the Condenser Bay. The fans on the Helper Cooling Tower were also removed from service while at reduced load, to facilitate the re-routing of the main power supply cable. Shift returned the unit to rated thermal power on 4/8/02. The Helper Cooling Tower fans were returned to service later the same day. Shift reduced load to approximately 895 GMWe (~2685 CMWT) on 4/27/02 to perform turbine stop valve testing. The unit was returned to rated thermal power later the same day. Shift maintained unit operation at rated thermal power for the remainder of the month.