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Edwin I. Hatch Nuclear Plant



September 10, 1981  
PM-81-784

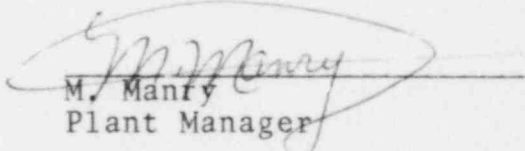
PLANT E. I. HATCH  
NRC Monthly Operating Report

Office of Plans and Schedules  
Directorate of Licensing  
United States Nuclear Regulatory Commission  
Washington, D. C. 20545



Dear Sir:

Per Tech Specs section 6.9.1.6 please find attached the NRC  
Monthly Operating Report for Hatch Unit 1, Docket #50-321.

  
M. Manry  
Plant Manager

CLC/pebc

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PDR ADOCK 05000321  
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NARRATIVE REPORT  
UNIT 1

August 3rd	1054 1A reactor feed pump turbine off to repair seal water line
August 10th	Unit auto scrambled on RPS trip at 1445
August 11th	Became critical at 0903. Unit auto scrambled due to IRM spike at 2352
August 12th	Became critical at 0532. Tied to line at 1829
August 14th	Unit Auto scrambled due to turbine stop valve fast closure at 0123. Critical at 0619. Unit tied to line at 1300
August 16th	Power reduction to perform a Rod Pattern Adjustment at 1900
August 19th	Decreased load due to Plant Service Water strainers stopping up at 2045

DUP OF

8109150090

HATCH 1 SAFETY-RELATED MAINTENANCE REQUESTS  
TO BE REPORTED FOR August 1981

NUMBER	DATE COMPLETED	DESCRIPTION
80-3925	8-24-81	Route conduit and cable to PSW-To-Air compressors electronic water heater
81-5680	8-09-81	Repair limit switch on outlet isolation valve to D/W pneumatic system. (P70-F005)
80-5461	8-28-81	Perform work for PCR 80-279 (Intake Backfill)
81-1939	6-01-81	Replaced RHR Loop A Inboard Injection Valve Motor
81-3489	6-02-81	Rerouted valve air line and relocated support per M.R.
81-5130	8-03-81	Welded stud on disc and remachined to fit yoke of RHR S/W pump
81-5683	8-24-81	Fabricated RHR Service Water pipe support E11-ISH-H701. Level "E" Housekeeping
81-5684	8-24-81	Fabricated RHR Service Water pipe support E11-ISH-H700. Level "E" Housekeeping
81-5686	8-24-81	Fabricated RHR Service Water pipe support E11-ISH-H702. Level "E" Housekeeping
81-4559	8-10-81	Replaced HPCI Steam Line Delta P instrument. (E41-N005)
81-4611	6-12-81	Replace ball and ball holder assembly on HPCI turbine overspeed trip
81-5468	7-31-81	Repair oil leak on Robert Shaw Diaphragm valve on HPCI overspeed trip
81-5903	8-12-81	Replace diaphragm on HPCI overspeed trip (E41-C002)
81-5904	8-12-81	Remove and inspect inboard bearing cap and bearing on HPCI turbine

81-1498	6-10-81	Replace existing mechanical
81-1501		snubber with PSA a snubber
81-1503		(1L35)
81-1515		
81-1517		
81-1518		
81-1519		
81-1595		
81-1596		
81-1597		
81-1598		
81-1011	8-18-81	Install foam fire sealant around all penetrations through gland seal treatment room walls
81-1626	8-22-81	Rebuild PSW pump 1C
81-4482	8-03-81	Repair corroded area on 30" diameter SW piping at intake structure
81-5375	7-22-81	Install new bearings in PSW pump 1C
81-5868	8-20-81	Rebuild 1B PSW check valve (1P41-F311B)
81-2899	5-29-81	Relocate local starter R27-S035, from torus to reactor bldg. 130' elev.
81-5534	8-17-81	Perform P/M on 125V Diesel Battery 1C
79-5566	1-06-81	Install modified woodward governor for Diesel 1C. (1R43-S001C)
81-4048	8-10-81	Install cover over hole in reactor bldg. 130' elev. floor (T22)
81-2584	5-28-81	Pull cables to DW/Torus vent exhaust valve

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August

DOCKET NO. 50-321  
 UNIT NAME Hatch 1  
 DATE 9-10-81  
 COMPLETED BY C. M. Curtis  
 TELEPHONE 912-367-7851

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
81-61	810803	F	11.1	B	5	NA	CH	TURBIN	Load reduction to repair. 1A RFP seal-water line
81-62	810810	F	33.1	A	3	NA	IA	XXXXX	Rx. Auto Scram on RPS trip
81-63	810811	F	18.6	H	3	NA	IA	INSTRU	Rx. Auto Scram on IRM spike
81-64	810812	F	30.9	H	5	NA	IA	INSTRU	Recovery from scram # 81-63
81-65	810814	F	11.6	H	3	NA	HA	VALVEX	Rx. Auto Scram due to Turbine stop valve fast closure
81-66	810814	F	54.0	H	5	NA	HA	VALVEX	Recovery from scram # 81-65
81-67	810816	S	52.0	B	5	NA	RB	CONROD	Load Reduction for Rod Pattern Adjustment
81-68	810819	F	71.3	B	5	NA	WA	FILTER	Power decrease due to stopped up PSW Strainers

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training & License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Continuations  
 5-Load Reduction  
 9-Other (Explain)

<sup>4</sup> Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup> Exhibit I - Same Source

(9/77)

## REFUELING INFORMATION FOR HATCH UNIT 1

Hatch Unit 1 is scheduled to shutdown on 4-2-82, for its next refueling outage. Startup from that outage is scheduled for 8-20-82.

Description of operation after refueling will require a Technical Specification change concerning core thermal hydraulic limits.

No particular date for submitting proposed licensing action and supporting information has been named. However, the latest date for submittal will be 5-20-82.

There are 560 fuel assemblies in the core and none presently in the spent fuel storage pool.

The present licensed spent fuel pool storage capacity is 3021 fuel assemblies. No requests for an increase in licensed storage capacity are anticipated in the near future.

The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity is 1996.

## OPERATING DATA REPORT

DOCKET NO. 50-321

DATE 09-10-81

COMPLETED BY CHRIS M. CURTIS

TELEPHONE (912) 367-7781 x 203

## OPERATING STATUS

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\* Notes \*

1. Unit Name: E. I. Hatch Nuclear Plant Unit 1
2. Reporting Period: 08-81
3. Licensed Thermal Power (MWt): 2436
4. Nameplate Rating (Gross MWe): 809.3
5. Design Electrical Rating (Net MWe): 777.3
6. Maximum Dependable Capacity (Gross MWe): 796.3
7. Maximum Dependable Capacity (Net MWe): 756.8
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

9. Power Level To Which Restricted If Any (Net MWe):
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5831	49679
12. Number Of Hours Reactor Was Critical	715.1	3220.3	36732.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	680.7	2828.5	34273.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1503204	5738119	71541001
17. Gross Electrical Energy Generated (MWH)	487770	1864380	23164030
18. Net Electrical Energy Generated (MWH)	465622	1754091	22006569
19. Unit Service Factor	91.5	48.5	69.0
20. Unit Availability Factor	91.5	48.5	69.0
21. Unit Capacity Factor (Using MDC Net)	82.7	39.7	58.5
22. Unit Capacity Factor (Using DER Net)	80.5	38.7	57.0
23. Unit Forced Outage Rate	8.5	17.1	19.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup:

26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

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(9777)



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-321  
DATE 09-10-81  
COMPLETED BY CHRIS M. CUPPIS  
TELEPHONE (912) 367-7781 x 203

MONTH 08-81

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	757	17	596
2	760	18	707
3	665	19	670
4	741	20	392
5	750	21	569
6	748	22	713
7	755	23	756
8	748	24	758
9	753	25	753
10	456	26	754
11	-18	27	754
12	16	28	757
13	459	29	753
14	154	30	743
15	589	31	757
16	630		

(9/77)