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Edwin I. Hatch Nuclear Plant



August 10, 1981
PM-81-677

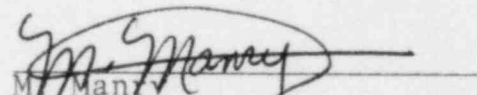
PLANT E. I. HATCH
NRC Monthly Operating Report

Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Washington, D. C. 20555



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

IE24
3
1/1

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PDR ADOCK 05000321
R PDR

IE-24

OPERATING DATA REPORT

DOCKET NO 50-321
DATE 08-10-81
COMPLETED BY DENVER G. WINOBB
TELEPHONE (912) 367-7781 x 203

OPERATING STATUS

* Notes

- 1 Unit Name: E I Hatch Nuclear Plant Unit 1
- 2 Reporting Period: 67-81
- 3 Licensed Thermal Power (MWT): 2434
- 4 Nameplate Rating (Gross MWe): 909.3
- 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	5087	48935
12 Number Of Hours Reactor Was Critical	720.7	2505.2	36017.2
13 Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14 Hours Generator On-Line	707.8	2147.8	33593.2
15 Unit Reserve Shutdown Hours	0.0	0.0	0.0
16 Gross Thermal Energy Generated (MMH)	1566988	4234915	70637797
17 Gross Electrical Energy Generated (MMH)	508340	1376610	22676260
18 Net Electrical Energy Generated (MMH)	485484	1288469	21540947
19 Unit Service Factor	95.1	42.2	68.6
20 Unit Availability Factor	95.1	42.2	68.6
21 Unit Capacity Factor (Using MDC Net)	86.2	33.5	58.2
22 Unit Capacity Factor (Using DER Net)	83.9	32.6	56.6
23 Unit Forced Outage Rate	4.9	19.5	20.1
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

(9/77)

8181-10360

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-321
 DATE 08-10-81
 COMPLETED BY DENVER C. WIMCOO
 TELEPHONE (912) 367-7761 x 203

MONTH 6-7-81

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	727	17	727
2	745	18	718
3	586	19	712
4	727	20	730
5	749	21	729
6	743	22	709
7	735	23	686
8	718	24	744
9	367	25	750
10	388	26	756
11	712	27	757
12	711	28	754
13	600	29	753
14	651	30	695
15	726	31	761
16	712		
17	720		

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July

DOCKET NO. 50-321
 UNIT NAME Hatch I
 DATE 8-10-81
 COMPLETED BY D. G. Atwood
 TELEPHONE 912-367-7851

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
81-49	810701	F	6.7	A	5	81-066	CB	PUMP XX	"A" and "B" Recirc pumps tripped.
81-50	810702	S	31.5	B	5	NA	RB	CONROD	Decrease in power for control rod pattern adjustment
81-51	810706	F	27.6	H	3	81-068	CC	INSTRU	Auto scram on full Grp. I isolation/ Turb. Bldg. Steam Tunnel Hi Temp.
81-52	810707	F	8.6	H	3	81-072	CC	INSTRU	Auto scram on full Grp. I isolation/ condensor vacuum switches were valved out when mode switch went to "RUN"
81-53	810708	F	41.2	H	5	NA	CC	INSTRU	Startup from scram #81-51 and 81-52.
81-54	810710	F	25.0	B	5	NA	CH	VALVEX	Power reduction to repair FW Heater Check Valve.

1

F: Forced
S: Scheduled

2

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)

3

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

4

Exhibit G - Instructions
for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File (NUREG-
0161)

5

Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July

DOCKET NO. 50-321
 UNIT NAME Hatch 1
 DATE 8-10-81
 COMPLETED BY D. G. Atwood
 TELEPHONE 912-367-7851

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
81-55	810712	F	16.9	B	5	NA	WA	FILTER	Power decrease due to stopped up Plant Service Water Strainers
81-56	810715	S	2	B	5	NA	HF	FILTER	Load reduction to clean circ water screens
81-57	810718	S	6.7	B	5	NA	HA	TURBIN	Load reduction to perform weekly turbine test.
81-58	810722	F	4.8	B	5	NA	WA	FILTER	Power decrease due to stopped up Plant Service Water Strainers
81-59	810725	S	1.5	B	5	NA	HA	TURBIN	Load reduction to perform weekly turbine test
81-60	810730	F	7.1	B	5	NA	WA	FILTER	Power decrease due to stopped up Plant Service Water Strainers

¹
 F: Forced
 S: Scheduled

²
 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)

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

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

⁵
 Exhibit I - Same Source

(9/77)

NARRATIVE REPORT
UNIT 1

July 1st	"A" and "B" recirc pumps tripped at 2020 causing a power reduction
July 2nd	2329 control rod pattern adjustment
July 6th	1536 auto scram on Full Group I isolation caused by Turbine Bldg. Steam Tunnel Hi Temp alarm
July 7th	Rx critical at 0942. Auto scram at 1911 on full Group I isolation caused by condenser vacuum switches being valved out. When mode switch went to "RUN", logic saw less than or equal to 880 psig.
July 8th	Rx critical at 0025. Generator tied to line at 0348.
July 10th	Power decreased at 2303 to repair Feedwater Heater check valve.
July 11th	Power increase began at 2000
July 12th	Plant Service Water strainers stopped up at 1705 causing a power decrease
July 15th	2230 power decreased to clean circ water strainers
July 18th	2119 weekly turbine test
July 22nd	Plant Service Water strainers stopped up again at 1945
July 25th	2230 weekly turbine test
July 30th	1322 power decrease due to Plant Service Water strainers stopped up

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

NUMBER	DATE COMPLETED	DESCRIPTION
81-0972	6-03-81	Removed, then replaced, D/W head for refueling. (1B11-A002)
81-4087	6-04-81	Disassembled and inspected RCIC trip and throttle valve for internal damage, then reassembled. (1E51-C002)
81-1589	6-10-81	Replace existing mechanical snubber with PSA 1 snubber (1L35)
81-1588		
81-1514		
81-1522		
81-1528		
81-1520		
81-1530		
81-1584		
81-1591		
81-1512		
81-1509		
81-1529		
81-1586		
81-1527		
81-1508		
81-1821		
81-1587		
81-1511		
81-1506		
81-1499		
81-1593		
81-1585		
81-4798	6-26-81	Repaired SBLC pump "B" (1C41-C001B) to deliver rated GPM
81-5000	7-06-81	Pulled and terminated cables to RCIC turbine steam inlet MOV (1E51-F045)
81-4912	7-07-81	Replaced RCIC logic relays 1E51-K32, K12 with time delay relays
81-5333	7-24-81	Repaired RWCU pump 1A (1G31-C001A)
79-4307	7-27-81	Installed new pressure seal in manual FW isolation valve (B21-F011A)
79-4316	7-27-81	Repaired leak in CRD flange (1C11-D146)
81-5141	7-17-81	Repaired refueling floor vent exhaust radiation monitor (1D11-K611A)

81-5296	7-14-81	Repaired cooling water line to RHRSW pump "A"
80-2523	6-11-81	Installed new poppet on main steam isolation valve for RCIC (1E51-F045)
80-4335	6-09-81	Replace 2" MSIV drain line and elbow with new pipe
81-0743	6-25-81	Repaired control valve for HPCI turbine (1E41-C002)
81-3814	6-09-81	Modify RCIC steam exhaust piping for DCR 81-148
81-5188	7-13-81	Repaired overspeed trip and auto reset on HPCI turbine (1E41-C002)
81-0268	7-13-81	Repaired connecting rod between switch actuator and float on core spray discharge line level switch
80-6227	5-23-81	Installed 2" pipe with valve and nipple on each end through Rx Bldg. penetration
81-1645	6-04-81	Core drilled hole in Rx. Bldg. floor 130' elev. to run weld leads for torus work
81-3296	6-15-81	Performed hydro on RHR Class II piping (E11-PT-1)
81-3303	6-23-81	Repair rod position indicator probe. Rod #30-51
81-4596	6-10-81	Installed time delay to HPCI steam flow Hi Delta P switch
81-3766	6-29-81	Inspected and repaired HPCI turbine overspeed trip (1E41-C002)
81-3813	6-08-81	Modified RCIC steam supply piping (1E51-G001)
80-6538	5-31-81	Repaired RHR loop "B" testable check valve (1E11-F050B)
81-3439	6-01-81	Modified wiring in MCC "1A" (R42-S021) as per DCR 80-393

81-2567	6-09-81	Modified PSW backwash piping as per DCR 81-120
81-2428	6-22-81	Removed, then reinstalled, fuel pool cooling to RHR fluid flanges on spool pieces during refueling outage
81-6394	6-01-81	Rewired circuitry of valves E21-F019A, B as per DCR 80-352
80-4022	6-16-81	Replaced RPIS probe on control rod 18-27
80-3342	5-27-81	Repaired manual valve between preheater and cond. ret. pump (N62-F136)