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Post Office Box 439
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(28)



Edwin I. Hatch Nuclear Plant

February 5, 1982
PM-82-096

PLANT E. I. HATCH
NRC Monthly Operating Report

Jan 82

unit 2

Ted Cintula
12105 M.M.B.B.
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 2, Docket #50-366.

M. Manry
M. Manry
Plant Manager

CLC/hh



IE 24
5/1/1

B204050319 B20205
PDR ADOCK 03000366
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-366
 DATE 02-10-82
 COMPLETED BY JAN ARNETTE
 TELEPHONE (912) 367-7781 x 203

OPERATING STATUS

- 1. Unit name: E.I. Hatch Nuclear Plant Unit 2
- 2. Reporting Period: 01-82
- 3. Licensed Thermal Power (MWt): 2436
- 4. Nameplate Rating (Gross MWe): 817.0
- 5. Design Electrical Rating (Net MWe): 784.0
- 6. Maximum Dependable Capacity (Gross MWe): 803.9
- 7. Maximum Dependable Capacity (Net MWe): 770.9
- 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	744	21121
12. Numbe. Of Hours Reactor Was Critical	731.1	731.1	16029.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	674.7	674.7	15238.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1097142	1097142	32926766
17. Gross Electrical Energy Generated (MWH)	342890	342890	10715400
18. Net Electrical Energy Generated (MWH)	324492	324492	10205017
19. Unit Service Factor	90.7	90.7	72.1
20. Unit Availability Factor	90.7	90.7	72.1
21. Unit Capacity Factor (Using MDC Net)	56.6	56.6	62.7
22. Unit Capacity Factor (Using DER Net)	55.6	55.6	61.6
23. Unit Forced Outage Rate	9.3	9.3	10.0
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	-----	-----

DRE 8202180283

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-366
 DATE 02 10-82
 COMPLETED BY JAN ARNETTE
 TELEPHONE (912) 367-7761 x 203

MONTH 01-82

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	544	12	547
2	694	18	471
3	716	19	548
4	639	20	547
5	522	21	548
6	512	22	507
7	505	23	392
8	506	24	53
9	509	25	419
10	540	26	201
11	577	27	-13
12	338	28	182
13	129	29	484
14	134	30	454
15	307	31	464
16	541		

(9/77)

HATCH 2 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR January 1981

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
81-4533	11-27-81	Replaced burned-up motor on valve with new motor as per DCR 81-199.
80-4976	05-28-81	Fabricated and installed Unit 2 cable spread sprinkler system per SM-78-55-1B, SM-78-55-2B, and SM-78-55-3B.
81-731	04-09-81	Installed sprinkler system in HVAC Unit 2. This MR superseded MR 2-81-64.
81-3333	12-01-81	Installed 6000 ohms 25 watt field discharge resistor in MCC 2R24-S021 on terminal block F1 & S2 per DCR 80-17.

NARRATIVE REPORT
UNIT 2

January 1st Reduced load due to 7A, 6B, 7B & *B stage feed water heaters out-of-service. Reduced load also for rod pattern adjustment and weekly turbine test.

January 3rd Dropped load to backwash and pre-coat condensate demin at 20:35

January 4th Dropped load to 72% thermal per management to conserve fuel at 16:25

January 11th Reduced load to backwash resin traps and demins at 12:11

January 12th Dropped load to take condensate demin out-of-service at 1:40
Reduced load to remove heaters from service & alleviate high flow through condenser demin at 10:40
Reduced Rx power to 25% to repair heater leaks at 16:00

January 14th At 9:45 decreased power by rod insertion to 25%

January 18th At 4:51 decreased Rx load to approx. 350 to find condensate tube leaks

January 22nd Reduced load to 60% per management directive at 13:25

January 23rd Forced Rx scram at 20:41 due to low reactor water level

January 24th Rx critical at 9:37
Generator tied to line at 18:10

January 25th Reduced load to 60% per management directive

January 26th At 12:09 generator off-line due to water leaking in the bus duct

January 28th Generator tied to line at 11:58
The load is still reduced to 60%

January 29th At 13:00 raised Rx power to perform TER on feedwater heater and to do weekly turbine test at 19:08 reduced load to 60% per management

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January

DOCKET NO. 50-366
 UNIT NAME Hatch 2
 DATE 2-4-82
 COMPLETED BY Jan Arnette
 TELEPHONE 912-367-7851 x-203

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
82-1	1-1-82	F		A	5	NA	CH	XXXXXXX	7A, 6B, 7B, & 8B Stg. feedwater heaters out-of-service
82-2	1-1-82	S		B	5	NA	XX	XXXXXXX	Rod pattern adjustment
82-3	1-1-82	S		B	5	NA	HA	TURBIN	Weekly turbine test
82-4	1-3-82	S		B	5	NA	WC	DEMINX	Backwash & pre-coat condensate demin
82-5	1-4-82	S		F	5	NA	RC	ZZZZZZZ	Drop load to 72% thermal per management to conserve fuel
82-6	1-11-82	S		B	5	NA	WC	DEMINX	Backwash resin traps & condensate demin
82-7	1-12-82	F		B	5	NA	WC	DEMINX	Condensate demin out-of-service
82-8	1-12-82	F		B	5	NA	CH	XXXXXXX	Reduce load to remove heaters
82-9	1-12-82	F		B	5	NA	CH	XXXXXXX	Repair heater leaks

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

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82-10	1-15-82	S		F	5	NA	RC	ZZZZZZZ	Drop load to 72% to conserve fuel
82-11	1-18-82	F		B	5	NA	WG	HTEXCH	Condensate tube leaks
82-12	1-18-82	S		F	5	NA	RC	ZZZZZZZ	Drop load to 72% to conserve fuel
82-13	1-22-82	S		F	5	NA	RC	ZZZZZZZ	Reduce load to 60% per mngt. directive
82-14	1-23-82	F		A	3	NA	CB	XXXXXXX	Rx scrambled due to low rx. water level
82-15	1-25-82	S		F	5	NA	RC	ZZZZZZZ	Reduce load to 60% per mngt. directive
82-16	1-26-82	F	47.8	A	9		AA	HTEXCH	Generator off-line due to water in the bus duct
82-17	1-28-82	F		A	5		AA	HTEXCH	Startup from scram
82-18	1-28-82	S		F	5		RC	ZZZZZZZ	Load reduction to 60%

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82-19	1-29-82	S		B	5		CH	HEATER	TER on feedwater heater
82-20	1-29-82	S		B	5		HA	TURBIN	Weekly turbine test.
82-2	1-29-82	S		F	5		RC	ZZZZZZ	Load reduction to 60%

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