AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-321
DATE
COMPLETED BY
TELEPHONE (912) 367-7781 x 203

MONTH 01-81

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	590	17	628
2	144	18	623
3	-11	19	623
4	-9	20	622
5	-10	21	620
6	-13	22	625
7	63	23	619
8	485	24	614
9	576	25	571
10	607	26	612
11	132	27	615
12	504	28	615
13	608	29	617
14	613	30	606
15	622	31	534
16	647		

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OPERATING DATA REPORT

DOCKET NO 50-321
DATE
COMPLETED BY
TELEPHONE (912) 367-7781 x 203

OPERATING STATUS

1. Unit Name: E I Hatch Nuclear Plant Unit 1
2. Reporting Period: 01-81
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

Notes

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	44184
12. Number Of Hours Reactor was Critical	652.2	652.2	33769.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	611.3	611.3	31687.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1126258	1126258	66250768
17. Gross Electrical Energy Generated (MWH)	371820	371820	21451320
18. Net Electrical Energy Generated (MWH)	352593	352593	20396220
19. Unit Service Factor	82.2	82.2	71.7
20. Unit Availability Factor	82.2	82.2	71.7
21. Unit Capacity Factor (Using MDC Net)	62.6	62.6	61.0
22. Unit Capacity Factor (Using DER Net)	61.0	61.0	59.4
23. Unit Forced Outage Rate	17.8	17.8	20.2

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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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
UNIT NAME Hatch 1
DATE 2-10-81
COMPLETED BY L. M. Kawishlian
TELEPHONE 912-367-7781

REPORT MONTH January

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
81-01	810101	S	21.3	F	5	NA	ZZ	ZZZZZZ	Management limitation of 80% thermal power
81-02	810101	F	14.8	A	5	1-81-2	CB	PUMPXX	Load reduced due to "A" Rx recirc pump seal leakage
81-03	810102	F	97.6	A	1	1-81-2	CB	PUMPXX	Unit off line due to above problem #81-02
81-04	810117	F	17.4	A	5	1-82-2	CB	PUMPXX	Unit on startup ramp from above shutdown #81-03
81-05	810108	S	62.4	F	5	NA	ZZ	ZZZZZZ	Management limitation of 80% thermal power
81-06	810110	S	5.1	B	5	NA	ZZ	CONROD	Load reduced to perform weekly turbine test and rod pattern adjustment

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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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
UNIT NAME Hatch 1
DATE 2-10-81
COMPLETED BY J. M. Kamishlian
TELEPHONE 912-367-7781

REPORT MONTH January

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
81-07	810111	F	10.9	A	3	NA	CH	PUMPXX	Rx auto scram due to RFPs tripping
81-08	810111	F	29.1	A	5	NA	CH	PUMPXX	Unit on startup ramp from above shutdown #81-07
80-09	810112	S	267.6	F	5	NA	ZZ	ZZZZZZ	Management limitation of 80% thermal power (unit was allowed to run at 90% thermal power for a period of 15 hours)
80-10	810123	S	[illegible]	B	5	NA	HE	TURBIN	Load reduced to perform weekly turbine test
81-11	810124	S	31.5	F	5	NA	ZZ	ZZZZZZ	Management limitation of 80% thermal power

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.
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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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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
UNIT NAME Hatch 1
DATE 2-10-81
COMPLETED BY L. M. Kamisulian
TELEPHONE 912-367-7781

REPORT MONTH January

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
81-12	810125	F	17.7	A	5	NA	HH	HEATER	Reduced load due to steam leak on "B" 5th stage heater
81-13	810126	F	114.2	F	5	NA	ZZ	ZZZZZZ	Management limitation of 80% thermal power
81-14	810130	F	26.3	B	5	NA	ZZ	CONROD	Reduced load to perform rod pattern adjustment

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
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5
Exhibit I - Same Source

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NARRATIVE REPORT
UNIT 1

Jan. 1st	Unit limited to 80% thermal power by management
Jan. 1st	At 21:20 reduced load due to "A" R recirc pump seal leakage
Jan. 2nd	Unit off line at 12:26 due to "A" Rx recirc pump leakage; Rx in cold shutdown
Jan. 7th	Unit on startup ramp from above shutdown; Rx critical at 20:52 on 810105, generator on line at 14:07 on 810107
Jan. 7th	Unit limited to 80% thermal power by management
Jan. 10th	At 21:55 reduced load to perform weekly turbine test and rod pattern adjustment
Jan. 11th	Rx auto scram due to RFPs tripping at 2:57
Jan. 11th	Unit on startup ramp from above shutdown; Rx critical at 8:46; generator on line at 13:54
Jan. 12th	Unit limited to 80% thermal power by management (unit was allowed to run at 90% thermal power for a period of 15 hours)
Jan. 23rd	At 23:15 reduced load to perform weekly turbine test
Jan. 24th	Unit limited to 80% thermal power by management
Jan. 25th	At 9:50 load was reduced due to steam leak on B 5th stage heater
Jan. 26th	Unit limited to 80% thermal power by management
Jan. 30th	At 21:45 load was reduced to perform rod pattern adjustment

HATCH 1 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR JANUARY 1980

NUMBER	DATE COMPLETED	DESCRIPTION
80-4750	1-6-81	Inspected flange studs and flange for leakage on RCIC turbine 1E51-C002
80-5058	12-29-80	Removed hood and cleaned the shaft, clutch and spring assembly on X41-C017B 1B diesel gen. room roll up door
80-5060	11-3-80	1X41-C017A, B, & C roll up fire doors were satisfactorily tested
80-6659	12-30-80	Disassembled, polished poppet, replaced motor and set limit switches on RCIC trip and throttle valve 1E51-C002-2
80-2671	1-5-81	Completed work according to DCR 79-194 on reactor building Ess MCCs R21-S011, S012
79-5566	12-19-80	Installed new governor and performed necessary wiring to implement DCR 77-208 for Woodward Governor mod "DSL NOT AT SYNC SPEED" alarm 1R43-S001C
80-6523	1-8-81	Seat in RHR inboard isolation valve 1E11-F015B was lapped, both seats polished, bonnet pressure seal area was cleaned, stem polished, new gate installed with bluing and the valve reassembled