OPERATING DATA REPORT

DOCKET NO. 50-321
DATE 03-10-82
COMPLETED BY JAN MARIETTE
TELEPHONE (912) 367-7781 x 203

OPERATING STATUS

1. Unit Name: E.I Hatch Nuclear Plant Unit 1
2. Reporting Period: 02-82
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): 801.2
7. Maximum Dependable Capacity (Net MWe): 761.7
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

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	672	1416	54024
12. Number Of Hours Reactor Was Critical	565.9	565.9	38957.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	473.5	473.5	36307.9
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	947243	947243	75724695
17. Gross Electrical Energy Generated (MWH)	307880	307880	24531610
18. Net Electrical Energy Generated (MWH)	292127	287689	23296457
19. Unit Service Factor	70.5	33.4	67.2
20. Unit Availability Factor	70.5	33.4	67.2
21. Unit Capacity Factor (Using MDC Net)	57.1	26.7	56.6
22. Unit Capacity Factor (Using DER Net)	55.9	26.1	55.5
23. Unit Forced Outage Rate	6.0	6.0	19.2

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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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-321
DATE 03-10-82
COMPLETED BY JAN ARNETTE
TELEPHONE (912) 367-7781 x 203

MONTH 02-82

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-6	17	649
2	-6	18	738
3	-6	19	746
4	-6	20	749
5	-11	21	756
6	-13	22	757
7	-13	23	761
8	134	24	273
9	312	25	453
10	551	26	654
11	633	27	654
12	124	28	709
13	493	29	
14	639	30	
15	733	31	
16	715		

(9777)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH February

DOCKET NO. 50-321
UNIT NAME Hatch 1
DATE 3-3-82
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
82-2	2-1-82	S	167.6	B	4	NA	HA	TURBIN	Normal shutdown for turbine inspection
82-3	2-7-82	S		B	9	NA	HA	TURBIN	Recovery from shutdown
82-4	2-11-82	F		A	5	NA	WC	DEMINX	Condensate demin problems
82-5	2-12-82	F	7.6	A	3	NA	CG	XXXXXX	Reactor scram due to low reactor level
82-6	2-12-82	F		A	5	NA	CB	XXXXXX	Recovery from scram
82-7	2-13-82	S		B	5	NA	HA	TURBIN	Weekly turbine test
82-8	2-17-82	S		B	5	NA	XX	XXXXXX	Rod pattern adjustment
82-9	2-17-82	F		D	5	NA	ZZ	FUELXX	Fuel preconditioning
82-10	2-24-82	F	10 4	A	3	NA	CB	XXXXXX	Reactor scram due to low water level

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

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
UNIT NAME Hatch 1
DATE 3-3-82
COMPLETED BY Jan Arnette
TELEPHONE 912-367-7851 X-203

REPORT MONTH February

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
82-11	2-24-82	F		A	5	NA	CB	XXXXXX	Recovery from scram
82-12	2-27-82	S		B	5	NA	XX	XXXXXX	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
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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HATCH 1 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR February 1982

NUMBER	DATE COMPLETED	DESCRIPTION
81-7641	02-11-82	Installed new ITT Barton Indicator switches (model no. 288A/224) in the place of the old switches. Tubing must be rerouted before this change can be complete. Reference DCR 79-366
81-4972	01-12-82	Fabricated and installed pipe hangers as per DCR 81-50
81-5073	01-28-82	Fabricated and installed conduit and conduit supports in the Unit 1 reactor building
81-5785	02-04-82	Built a transformer pad as per DCR 81-50.
81-5907	01-19-82	Rerouted conduit as per DCR 81-50.
81-6012	02-04-82	Rerouted conduit to allow completion of DCR 81-10.
81-6147	02-11-82	Replaced 6" diameter schedule 40 tee pipe fitting.
81-6287	01-08-82	Disconnected potentiometer leads from EGM & installed a 200 ohm fixed resistor per DCR 81-55.
81-6337	02-16-82	Fabricated spool piece with valves G51-F011 & G51-F012 to insert into 3" line. Inserted fabricated spool piece into 3" line during next shutdown. Reference DCR 78-200, R2.
81-6417	01-07-82	Fabricated 1G51-M001 per drwg. H-19640 & installed internals. Reference DCR 78-200.
81-6889	12-04-81	Checked each cable termination to determine if the cable had been installed, then verified that the cable could be routed as shown.

81-7146	11-11-81	Welded 1/2" 900 elbow, 1/2" pipe, & 1/2" flange to the stuffing box extension so that the pumping ring discharger could be connected to the heat exchanger.
81-7469	11-21-81	Inspected and repaired switch terminations located at the switch in the condulet.
81-7470	11-21-81	Inspected & repaired switch terminations located at the switch in the condulet.
81-7556	01-22-82	Performed internal wiring modifications as per DCR 80-4200.
81-7579	01-21-82	Installed new annunciator, horn, & power supply as per DCR 80-420.
81-7589	02-08-82	Wired number 2 contact. When HNP-3001 was performed, it was noted that the number 1 contact on this switch was wired number 2 contact.
81-7636	11-24-81	Replaced existing switches with Static-O-Ring model no. 22TX-K614-B1X-X. Reference DCR 81-86.
81-7664	11-20-81	Cut RPV head spray nozzle assembly approx. 1 1/4" below the flange fit up, & welded it to straighten the bend. This will allow proper seating of the flange on the RPV head.
81-2923	11-24-81	Replaced existing limit switches with environmentally qualified limit switches per DCR 80-203.
81-7664	11-20-81	Cut RPV head spray nozzle assembly approx. 1 1/4" below flange. Rewelded it to straighten the bend. This will allow proper seating of flange on RPV head.

81-7667	01-22-82	Repaired the shaft sleeve so that it would rotate with the rotating assembly.
81-7931	01-22-82	Mounted the local control panel 1G51-M001 as per DCR 78-200, R2.
81-8052	12-21-81	Performed written hydros for the section of the Torus Water Cleanup System that by-passes valve 1E21-F002B. Reference DCR 78-200, R2.
81-8078	01-05-82	Repaired standby lube pump so that it wouldn't trip on thermal overload.
81-8145	02-10-82	Temporarily removed conduit support hanger so that an air tight face plate maybe installed for the 1 & 2 P33 core drillings. Reinstalled the conduit hanger at the completion of MR 1-81-7990. Retorqued the bolts to the valves.
82-30	02-10-82	Removed charcoal sample from the filter train element, & replaced with new activated charcoal from the warehouse.
82-53	01-15-82	Inspected internal wiring to solenoid valves of MSIV's for evidence of insulation degrading per GE SIL # 356.
82-65	02-03-82	Replaced old heating elements with new larger capacity heating elements & reterminated the cable. Reference DCR 77-291.
82-66	02-08-82	Replaced old cable with new cable. Reference DCR 77-291.
82-72	01-18-82	Replaced the existing solenoid valve with an environmentally qualified one per IEB 79-01B. Reference DCR 79-459.
82-73	01-10-82	Replaced the existing solenoid valve with an environmentally qualified one per IEB 79-01B. Reference DCR 79-459.

82-74	01-14-82	Replaced the existing solenoid valve with an environmentally qualified one per IEB 79-01B. Reference DCR 79-459.
82-75	01-10-82	Replaced the existing solenoid valve with an environmentally qualified one per IEB 79-01B. Reference DCR 79-459.
82-128	02-08-82	Verified that the DC power to the solenoid coil is directly connected to the coil (output of rectifier) & not connected with the rectifier in the circuit.
82-322	02-16-82	Repaired pin hole leaks at weld in 2" stainless steel line going to B31-N013 instrument.
82-435	01-27-82	Repaired the electric fire pump. It was automatically starting above the required pressure.
82-504	02-05-82	Repaired the transformer. There was no sample flow at the main stack.
82-710	02-09-82	Reconnected snubber to the line.
82-823	02-15-82	Replaced 1E41-N751 with a new unit.
82-844	02-13-82	Repaired the 1B condensate pump.
80-3492	02-11-82	Replaced pipe elbow downstream of 1P11-F021.
82-992	01-25-82	Performed excavation & backfilling for installation of Unit 1 underground piping as shown on H-16551 R-2A. Reference DCR 79-98.
81-1125	01-06-82	Installed fire penetration seals at elevation 147' in the control building where the fire line enters the cable spreading room.

81-2919	02-02-82	Replaced the existing limit switches & solenoid valve with environmentally qualified limit switches & solenoid valve. Reference DCR 79-459, 80-203.
81-2923	11-24-81	Replaced existing limit switches with environmentally qualified limit switches. Reference DCR 80-203.
81-2926	11-24-81	Replaced existing limit switches with environmentally qualified limit switches. Reference DCR 80-203.
81-2927	02-03-82	Replaced the existing limit switches & solenoid valve with environmentally qualified limit switches & solenoid valve. Reference DCR 79-459, 80-203.
81-2932	02-02-82	Replaced the existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2933	02-03-82	Replaced the existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2934	11-24-81	Replaced limit switches with environmentally qualified limit switches. Reference DCR 80-203.
81-2940	02-02-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.

81-2944	02-02-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2945	01-21-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2946	01-27-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2947	11-23-81	Replaced existing limit switches with environmentally qualified limit switches. Reference DCR 80-203.
81-2953	01-12-82	Replaced existing limit switches & solenoid valve with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2957	02-02-82	Replaced existing limit switches & solenoid valve with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2962	01-24-82	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.
81-2964	01-26-82	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.
81-2965	01-26-82	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.

81-2966	01-29-82	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.
81-2967	01-29-82	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.
81-2968	11-18-81	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.
81-2974	01-29-82	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.
81-2975	01-29-82	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.
81-2976	01-24-82	Replaced existing solenoid valve with environmentally qualified solenoid valve. Reference DCR 79-459.
81-2978	02-02-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2980	02-02-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2993	02-04-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2994	02-04-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.

81-2995	01-29-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCP 79-459, 80-203.
81-2996	01-29-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-2999	02-03-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-3015	02-02-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-3022	01-27-82	Replaced existing solenoid valve & limit switches with environmentally qualified solenoid valve & limit switches. Reference DCR 79-459, 80-203.
81-4662	02-04-82	Fabricated & installed conduit & conduit supports in the reactor building elevation 155-0. Reference DCR 79-439.
81-4719	11-18-81	Replaced existing limit switches with environmentally qualified limit switches. Reference DCR 80-203.
81-4926	01-28-82	Fabricated & installed conduit & conduit supports in the cable spreading room. Reference DCR 79-471.
82-392	02-27-82	Repaired the rupture in the condensate pump motor cooler.

NARRATIVE REPORT
UNIT 1

February 1st-6th	Unit offline due to turbine outage.
February 4th	Reactor critical at 15:50.
February 7th	Main generator tied to line at 23:33.
February 8th	Main generator tripped off-line at 4:05. Generator tied to grid at 5:05. Reduced power at 12:00 to remove generator from grid and bring reactor to startup and hot standby.
February 12th	Reactor auto scram at 4:23 due to low water level. Reactor critical at 14:30. Generator on-line at 20:45.
February 13th	Reduced power at 21:10 for weekly turbine test.
February 16th	Reduced power at 22:50 to perform rod pattern adjustment.
February 17th	Reduced power at 4:17 for fuel preconditioning.
February 20th	Reduced power at 00:16 for weekly turbine test.
February 24th	Reduced generator load at 1:23 for daily turbine test. Reactor scram at 8:51 due to low hydraulic pressure on minimum flow valve. Reactor critical at 17:00. Unit on-line at 22:30.
February 27th	Dropped load for rod pattern adjustment at 21:09.