OPERATING DATA REPORT

DOCKET NO. 50-321
DATE 12-14-81
COMPLETED BY [illegible]
TELEPHONE [illegible]

OPERATING DATA

1. Unit Name: E. I. Hatch Nuclear Plant Unit 1
2. Reporting Period: 11-01
3. Licensed Thermal Power (MWt): 2436
4. Nameplate Rating (Gross MWe): 809.7
5. Design Electrical Rating (Net MWe): 777.3
6. Maximum Dependable Capacity (Gross MWe): 806.3
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	720	8016	51143
12. Number Of Hours Reactor Was Critical	103.8	4285.2	37737.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	65.6	3736.2	35241.6
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	93424	7051137	73454619
17. Gross Electrical Energy Generated (MWH)	19070	2405500	23785141
18. Net Electrical Energy Generated (MWH)	13267	2337291	22703769
19. Unit Service Factor	9.1	47.4	68.9
20. Unit Availability Factor	9.1	47.4	68.9
21. Unit Capacity Factor (Using MDC Net)	2.4	38.5	57.6
22. Unit Capacity Factor (Using DER Net)	2.4	37.5	56.4
23. Unit Forced Outage Rate	25.0	14.6	19.6

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		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO 50-321
DATE 12-10-81
COMPLETED BY CHRIS H CURTIS
TELEPHONE (912) 367-7781 x 243

MONTH 11-81

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-6	17	-8
2	-5	18	-6
3	-6	19	-9
4	-6	20	-9
5	-6	21	-10
6	-6	22	-12
7	-5	23	-12
8	-6	24	-12
9	-6	25	-13
10	-6	26	16
11	-6	27	24
12	-6	28	14
13	-6	29	246
14	-6	30	435
15	-6	31	
16	-6		

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
UNIT NAME Hat ch
DATE 12-10-81
COMPLETED BY Chris [illegible] Curtis
TELEPHONE 912-3[illegible] 7851 X.203

REPORT MONTH November

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
81-76	11-01-81	S	619:03	C	4	NA	FD	FUELXX	Shutdown for Core Reconstitution
81-77	11-26-81	F	12:22	C	5	NA	FD	FUELXX	Startup from Shutdown
81-78	11-27-81	F	11:34	A	9	NA	HA	TURBIN	Main Turbine Tripped
81-79	11-27-81	F	23:45	A	3	NA	HB	VALVEX	Rx Scram on MSIV Closure
81-80	11-28-81	F	6:04	A	5	NA	HB	VALVEX	Startup from Scram

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)

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Exhibit I - Same Source

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NARRATIVE REPORT
UNIT 1

November 1st	Rx shutdown for core reconstitution 00:00
November 24th	Rx critical at 02:15
November 24th	Manual scram mode switch to shutdown at 02:22
November 24th	Rx critical at 05:20
November 26th	Tied to line at 19:03
November 27th	Main turbine tripped at 07:25
November 27th	Rx scram on MSIV closure at 18:59
November 28th	Rx critical at 03:56, tied to line at 18:44

HATCH 1 SAFETY-RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR November 1931

NUMBER	DATE COMPLETED	DESCRIPTION
81-6782	11-18-81	Control room panels H11-P609 & H11-P611 DCR 81-133 adds group I isolation signals to the Piocess Computer digital inputs.
81-7731	11-23-81	Replace "Rx. vessel low-low level" relay on panel 1H11-P609.
81-7664	11-20-81	Cut RPV head spray nozzle assy. approx. 1 1/4" below flange.
81-6898	11-19-81	Install 3/8" tee fitting immediately down-stream of the B21-F051C excess flow check valve. Install tubing & the NV-200 valves per sketch B-P-79-H75-13- Rev.A. Capoff the tubing downstream of the P33-F223 valve.
81-4221	11-21-81	Rx recirc MG set 1A. Investigate apparent leakage of oil from main shaft between fluid coupling & MG set.
81-7185	11-18-81	Attach additional plate steel & anchor bolts to the existing enbedded plates that support snubber 1B31-SSB8 to the reactor pedestal as per DCR 81-187.
81-7186	11-18-81	Attach to snubber 1B31-SSA8.
81-7187	11-18-81	Attach to snubber 1B31-SSA7.
81-7188	11-18-81	Attach to snubber 1B31-SSB7.
81-7262	11-17-81	Chip spalled concrete from area around snubbers base plates for anubbers 1B31-SSB7, B8,A7 & as per DCR 81-187.
81-7452	11-18-81	Recirc suction line snubbers. Paint metal baseplates & rough concrete on reactor pedestal per DCR 81-187.

81-4549	11-22-81	Repair reed switch for rod position 48.
81-4850	11-21-81	Repair reed switch for rod position 12.
81-5309	11-22-81	Repair rod 10.07 position indicator.
81-1672	11-17-81	Repair leaking SBLC air supply valve.
81-1708	10-01-81	Perform all the internal wiring required to complete DCR's 77-271 & 80-226. Also mount the under voltage monitors & the fuse blocks & install the fuses required for DCR's 77-271 & 80-226.
81-3075	11-12-81	Remove bottom ends of the RHR heat exchanger "A" to allow for inspection to determine if fouling of the heat exchanger has occurred.
81-5701	10-29-81	RHR service water pipe support. Install pipe support E11-ISH-H705, fabricated under MR 1-81-5730 per DCR 81-58 & PDCR B2M-165.
81-5702	10-06-81	Install support E11-ISH-H706.
81-5777	10-06-81	Install support E11-ISH-703 & 704.
81-6360	09-26-81	Repair "D" RHR SW pump. Failed pressure test.
81-6480	10-16-81	Repair "B" RHR SW pump. Failed flow & pressure test.
81-7555	11-17-81	Perform NDT on RHR piping.
81-7619	11-19-81	Investigated core spray testable check.
81-7644	11-20-81	Replace magnetic switch on disc.
81-6368	11-12-81	Replace HPCI steam line delta P switch.
81-6403	09-22-81	Replace bonnet gasket on HPCI steam line drain valve.
81-6965	11-19-81	Preload & monitor for settlement the radwaste solidification loading dock.

81-5045	10-30-81	Repair small root valve
81-7198	11-18-81	RWCU pump A CB will not reset. Make repairs.
81-7261	11-17-81	Repair RWCU Pump B check valve.
81-6596	11-07-81	Make core drills & install pipe penetrations for penetration numbers 158 & 159 per B-P-78-200-1, Rev.0
81-6832	11-03-81	Core drill control room floor with (2) 6" holes for 4" conduit sleve.
81-4359	11-1981	Perfrom visual Tech Spec surv. per schedule 4.6.L.I on hydraulic shubbers.
81-6058	11-16-81	Repair RFPT 1B flow indicator.
81-6865	11-23-81	Replace bad bearings in "A" circulating water pump.
81-5898	11-09-81	Repair bad seal leak on PSW pump "A".
81-5921	11-13-81	Repair PSW to turb. bld. Div. I isolation valve
81-6573	11-13-81	Repair seal leaks in PSW pump 1B.
81-7152	11-09-81	Repair seal leaks in PSW pump.
81-7615	11-20-81	Repair D/G 1C air comp. 1C1.
81-7708	11-23-81	Repair D/W airlock door
81-1816	11-18-81	Reinstall sight glass T45-D014 as per DCR 79-505.
81-6683	11-16-81	Remove charcoal sample from B SBGT filter train.
81-7564	11-18-81	Calibrate RIF & R/B Delta P transmitters.
81-7592	11-19-81	Repair control transformer for carbon bed drying heaters on SBGT filter train.

81-7645	11-20-81	Replace the transformer in the carbon dryer heater controller for SBGT filter train.
81-7510	11-23-81	Tie into existing 10" fire main & install 3 10" valves per DCR 81-39.
81-6059	11-12-81	Core drill, sleeve, & grout penetrations for the 4" & 8" supply lines.
81-6372	11-09-81	Install 3 hr. fire rated penetration seals in cored holes.
81-7454	11-19-81	Install foam in control room floor penetrations per DCR 81-31.
81-4895	11-06-81	Reapply "Tapecoat" to W.G.T.B.H.V.A.C. underground piping at areas where excavation is being performed see MR 1-81-992.

OPERATING DATA REPORT

DOCKET NO. 50-366
DATE 12-10-91
COMPLETED BY CHRIS M CURTIS
TELEPHONE (912) 367-7781 EXT 2913

OPERATING STATUS

1 Unit Name: E I Hatch Nuclear Plant Unit 2
2 Reporting Period: 11-91
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): 863.0
7 Maximum Dependable Capacity (Net MWe): 776.0
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	720	8015	106832
12 Number Of Hours Reactor Was Critical	634.9	6320.4	74554.2
13 Reactor Reserve Shutdown Hours	9.9	0.0	0.0
14 Hours Generator On-Line	622.5	6131.0	73019.3
15 Unit Reserve Shutdown Hours	0.0	0.0	0.0
16 Gross Thermal Energy Generated (MWH)	1365806	13104224	392942122
17 Gross Electrical Energy Generated (MWH)	429010	4176010	124411[illegible]
18 Net Electrical Energy Generated (MWH)	417866	3972833	118[illegible]
19 Unit Service Factor	86.4	76.5	[illegible]
20 Unit Availability Factor	86.4	76.5	[illegible]
21 Unit Capacity Factor (Using MDC Net)	75.3	64.3	[illegible]
22 Unit Capacity Factor (Using DER Net)	74.0	63.2	[illegible]
23 Unit Forced Outage Rate	13.6	8.0	10.5

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		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-266
DATE 12-10-81
COMPLETED BY CHRIS M CURTIS
TELEPHONE (920) 367-7781 x 243

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	733	17	724
2	732	18	747
3	736	19	741
4	402	20	730
5	-13	21	741
6	-17	22	745
7	-17	23	689
8	16	24	683
9	407	25	715
10	713	26	719
11	721	27	594
12	732	28	696
13	743	29	715
14	714	30	740
15	438	31	
16	739		

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November

DOCKET NO. 50-3[illegible]
UNIT NAME Hatc[illegible] 2
DATE 12-1[illegible]-81
COMPLETED BY Chri[illegible]. Curtis
TELEPHONE 912-[illegible]7-7851 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
81-82	11-04-81	F	97:38	A	3	NA	HB	VALVEX	Rx Scram on MSIV Closure
81-83	11-08-81	F	34:25	A	5	NA	HB	VALVEX	Startup from Scram
81-84	11-15-81	F	23:00	A	5	NA	RB	CONROD	Rod Pattern Adjustment
81-85	11-23-81	F	9:00	A	5	NA	SF	XXXXXX	HPCI Inop
81-86	11-24-81	F	51:00	A	5	NA	CH	HTEXCH	Tube Leaks
81-87	11-27-81	F	25:00	A	5	NA	SF	XXXXXX	LPCI Inverter Inop

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 2

November 4th	Rx scram on MSIV closure at 15:57
November 8th	Rx critical at 05:03, tied to line at 17:35
November 15th	Load reduction for rod pattern adjustment at 00:00
November 23rd	Load reduction due to HPCI inop at 18:38
November 24th	Load reduction due to tube leaks at 20:48
November 27th	Load reduction due to LPCI inverter nop at 05:10

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

NUMBER	DATE COMPLETED	DESCRIPTION
81-3339	11-15-81	HPCI torus suction valve. Install 6000 ohm. 25 watt field discharge resistor per DCR 80-17.
81-3340	11-14-81	Same as above.
81-3343	11-14-81	HPCI C.S.T. suction valve. Install 6000 ohm. 25 watt field discharge resistor per DCR 80-17.
81-4036	11-18-81	Make wire changes to the HPCI vacuum tank cond., vacuum, & aux. oil pumps per DCR 79-385.
81-3176	10-29-81	Radwaste solidification piping. Apply epoxy coating as per DCR 81-51.