

OPERATING DATA REPORT

DOCKET NO 50-321
 DATE 9-10-79
 COMPLETED BY P. B. Allen
 TELEPHONE 912-367-7781

OPERATING STATUS

1. Unit Name: Hatch 1
2. Reporting Period: August 1979
3. Licensed Thermal Power (MWt): 2436 MWe
4. Nameplate Rating (Gross MWe): 809.3 Gross MWe
5. Design Electrical Rating (Net MWe): 786.3 Net MWe
6. Maximum Dependable Capacity (Gross MWe): 797.3 Gross MWe
7. Maximum Dependable Capacity (Net MWe): 764.3 Net MWe
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: _____

POOR ORIGINAL

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>5831</u>	<u>32135</u>
12. Number Of Hours Reactor Was Critical	<u>171.1</u>	<u>2621.0</u>	<u>23309.4</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>54.7</u>	<u>2468.7</u>	<u>21953.2</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>41224</u>	<u>5534000</u>	<u>45142257</u>
17. Gross Electrical Energy Generated (MWH)	<u>9720</u>	<u>1808660</u>	<u>14564170</u>
18. Net Electrical Energy Generated (MWH)	<u>1030</u>	<u>1708317</u>	<u>13832375</u>
19. Unit Service Factor	<u>7.3</u>	<u>42.3</u>	<u>68.3</u>
20. Unit Availability Factor	<u>7.3</u>	<u>42.3</u>	<u>68.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.2</u>	<u>38.3</u>	<u>56.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.2</u>	<u>37.3</u>	<u>54.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>9.3</u>	<u>15.7</u>
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
 UNIT Hatch 1
 DATE 9-10-79
 COMPLETED BY P. B. Allen
 TELEPHONE 912-367-7781

MONTH August 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-6	17	-14
2	-5	18	-13
3	-6	19	-9
4	-6	20	-8
5	-7	21	-10
6	-8	22	-10
7	-7	23	-11
8	-9	24	-11
9	-11	25	-15
10	-11	26	-16
11	-11	27	-17
12	-11	28	-18
13	-12	29	17
14	-14	30	134
15	-13	31	191
16	-13		

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INSTRUCTIONS

On this form, list the average daily unit power level in MWe-Net for each day in the reporting period. Round the nearest whole megawatt.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-321
 UNIT NAME Hatch 1
 DATE 9-10-79
 COMPLETED BY P. B. Allen
 TELEPHONE 912-367-7781

REPORT MONTH August

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
79-10	79-04-22	S	681:21	C	1	N/A	ZZ	Fuel XX	Shutdown to facilitate refueling
79-11	79-08-29	S	5:45	B	N/A	N/A	III	N/A	Generator off line, overspeed test
79-12	79-08-30	F	2:15	A	3	N/A	IIA	GENERA	Generator off line, Alterrex problems

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1
 F - Forced
 S - Scheduled

2 Reason
 A - Equipment Failure (Explain)
 B - Maintenance or Test
 C - Loading
 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 - 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

NARRATIVE REPORT
UNIT I

August 1st	Cold shutdown for refueling
August 29th	On line 09:21 CST
August 29th	Generator off line overspeed test
August 29th	On line 19:50 CST
August 30th	Generator off line alternator problems
August 30th	On line 10:15 CST

There was no single release of radioactivity or single radiation exposure which accounts for more than 10% of the allowable annual values during the previous month of 1979.

POOR ORIGINAL

NARRATIVE REPORT
UNIT I

August 1st	Cold shutdown for refueling
August 29th	On line 09:21 CST
August 29th	Generator off line overspeed test
August 29th	On line 18:50 CST
August 30th	Generator off line alternex problems
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There was no single release of radioactivity or single radiation exposure which accounts for more than 10% of the allowable annual values during the previous month of 1979.

POOR ORIGINAL

HATCH 1 SAFETY - RELATED MAINTENANCE REQUESTS
TO BE REPORTED FOR AUGUST 1979

<u>NUMBER</u>	<u>DATE COMPLETED</u>	<u>DESCRIPTION</u>
79-255	8-10-79	Replaced relays B21-KFA & R as indicated as per DCR 77-204
79-3135	8-29-79	Removed brushes from A & H M-G sets and applied vaseline and Fish paper on sliprings for protection
79-3138	8-29-79	Inspected motor windings: cleaned heater compartments; checked bearing housing and found oil leak: cleaned, resealed and replaced heaters
79-4580	8-22-79	Replaced protective cap over rod withdrawal speed adjustment valve
79-4581	8-22-79	Same as above
79-4582	8-22-79	Same as above
79-4583	8-22-79	Disassembled withdrawal valve: checked 215 end of valve stem plus stem: checked and checked out
79-4584	8-22-79	Disassembled and cleaned the 122 diameter control valves from 20-20, 24-20, 25-20, 27-20, and 28-20
79-4585	8-22-79	Raised level of water in tank as per DCR 77-204
79-4586	8-22-79	Disassembled and cleaned the 122 diameter control valves from 20-20, 24-20, 25-20, 27-20, and 28-20
79-4587	8-22-79	Disassembled and cleaned the 122 diameter control valves from 20-20, 24-20, 25-20, 27-20, and 28-20
79-4588	8-22-79	Installed new seal and pump

POOR ORIGINAL

79-5056	8-28-79	Removed, inspected, and reset 7 out of 9 self drilling anchors then torqued to 70 ft. lbs.
79-5001	8-30-79	Repaired hanger as per DCR 79-131
79-4032	8-22-79	Performed 60# Hydro on CRW and DRW sump piping. Results satisfactory
79-5020	8-29-79	Replaced sample line filter on "A" H ₂ analyzer. "B" H ₂ analyzer had low water flow. Recalibrated both analyzers per HNP-1-5222
79-4555	8-27-79	Rewelded pin hole leak of PSV pump 10 Minimum Flow line with nipple
79-4808	8-22-79	Replaced on pump roller bearing and adjusted timing on closing mechanism
79-4850	8-27-79	Changed setpoint per DCR 79-242 from 10 sec. to 20 sec.
79-4534	8-16-79	Installed 2 stage valves per DCR 79-2
79-4840	8-8-79	Performed hydrostatic test 321-2741 per DCR 79-200 procedure
79-2951	8-15-79	Replaced MSIV Control Panel with a new one
79-4114	8-17-79	Replaced control panel 321-2741
79-4000	8-21-79	Installation of control panel, piping, and instrumentation for 321-2741. Installation of control panel, piping, and instrumentation for 321-2741.
79-2002	8-21-79	Terminated the cables pulled for the Recirc. Pump 321-2741 per DCR 79-200
79-4500	8-18-79	Checked valves and found no leaks. Checked valves and found no leaks.

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79-1464	8-17-79	Performed hydrostatic test #C41-PT-1 per HNP-6007 procedure
79-3407	8-17-79	Performed work as per DCR 79-242
79-741	8-21-79	Pulled cables for 1R22-S008 and R22-S008 according to MR 1-79-741 and DCR 79-271
79-3768	8-21-79	Performed maintenance check on 4150 V breaker per HNP-1-6515
79-4765	8-15-79	Removed Hatch cover to torus and checked for leaks; reinstalled cover
79-3197	8-8-79	Checked operation and temperature probe, found both previously terminated
79-3214	8-2-79	Inspected torus support welds and found no defective welds or indications of defects/leaks
79-432	7-22-79	Replaced PSV pump shafts line shaft and journal bearing with modified replacement per MR 79-171, R1
79-1110	8-1-79	Disassembled and cleaned gearbox, replaced seals and maintained, reassembled with oil, checked oil
79-1179	8-2-79	Installed new seal on motor table
79-1179	8-2-79	Disassembled and cleaned gearbox, replaced seals and maintained, reassembled with oil, checked oil
79-1179	8-2-79	Installed new software and refilled with oil

79-4268	8-3-79	Installed new cylinder and accumulator seals and "O" Rings
79-4229	8-3-79	Replaced seals in snubber and reinstalled
79-4228	8-2-79	Removed strut on hydraulic snubber, removed bent stud and installed a new one
79-4220	8-2-79	Removed hydraulic snubber; installed new software and refilled with oil; reinstalled
79-4219	8-2-79	Removed hydraulic snubber; installed new software and refilled with oil; reinstalled
79-2852	8-2-79	Replaced temp. switch per DCB 79-284
79-2247	8-2-79	Repaired Sealing Plate on V-Y System Indicator
79-2209	8-2-79	Repacked R10 Isolation Valve with rings and packing
79-2199	8-2-79	Replaced screws on bus on fire alarm; replaced copper
79-2188	8-2-79	Removed valve stem and plugged in the 1000 psi pressure valve
79-2177	8-2-79	Installed new 1000 psi pressure valve
79-2177	8-2-79	Adjusted magnetic switch to give correct light
79-2177	8-2-79	Adjusted magnetic switch to give correct light

79-3289	7-30-79	Repaired and calibrated RPV Pressure Indicator
79-3729	8-7-79	Repaired RPV Pressure Indicator. VOIDED Problem corrected on MR 2-79-3814
79-1540	5-15-79	Ran cable to the solid flange coupling of Recirc Pump A and solid flange coupling of Recirc Pump B per DCR 79-84
79-3540	6-2-79	Recirc Gen. Temp. Element: Disconnected temp. element R3 and connected spare temp. element R4 per DCR 79-272
79-3748	7-10-79	Repaired RTIC instrument steamline, orifices should be replaced, recalibrated upon completion of modification
79-3800	8-7-79	Verified that 79 Recirc pump trip logic functioned properly
79-3918	8-9-79	Investigated and resolved cause for trip of reactor cooling. M/G set CR
79-3927	8-9-79	Revised control logic for hydraulic unit 1-15
79-3928	8-9-79	Revised control logic for hydraulic unit 1-15
79-3933	8-9-79	Revised control logic for hydraulic unit 1-15
79-3934	8-9-79	Revised control logic for hydraulic unit 1-15
79-3935	8-9-79	Revised control logic for hydraulic unit 1-15
79-3936	8-9-79	Revised control logic for hydraulic unit 1-15
79-3937	8-9-79	Revised control logic for hydraulic unit 1-15
79-3938	8-9-79	Revised control logic for hydraulic unit 1-15
79-3939	8-9-79	Revised control logic for hydraulic unit 1-15
79-3940	8-9-79	Revised control logic for hydraulic unit 1-15
79-3941	8-9-79	Revised control logic for hydraulic unit 1-15
79-3942	8-9-79	Revised control logic for hydraulic unit 1-15
79-3943	8-9-79	Revised control logic for hydraulic unit 1-15
79-3944	8-9-79	Revised control logic for hydraulic unit 1-15
79-3945	8-9-79	Revised control logic for hydraulic unit 1-15
79-3946	8-9-79	Revised control logic for hydraulic unit 1-15
79-3947	8-9-79	Revised control logic for hydraulic unit 1-15
79-3948	8-9-79	Revised control logic for hydraulic unit 1-15
79-3949	8-9-79	Revised control logic for hydraulic unit 1-15
79-3950	8-9-79	Revised control logic for hydraulic unit 1-15
79-3951	8-9-79	Revised control logic for hydraulic unit 1-15
79-3952	8-9-79	Revised control logic for hydraulic unit 1-15
79-3953	8-9-79	Revised control logic for hydraulic unit 1-15
79-3954	8-9-79	Revised control logic for hydraulic unit 1-15
79-3955	8-9-79	Revised control logic for hydraulic unit 1-15
79-3956	8-9-79	Revised control logic for hydraulic unit 1-15
79-3957	8-9-79	Revised control logic for hydraulic unit 1-15
79-3958	8-9-79	Revised control logic for hydraulic unit 1-15
79-3959	8-9-79	Revised control logic for hydraulic unit 1-15
79-3960	8-9-79	Revised control logic for hydraulic unit 1-15
79-3961	8-9-79	Revised control logic for hydraulic unit 1-15
79-3962	8-9-79	Revised control logic for hydraulic unit 1-15
79-3963	8-9-79	Revised control logic for hydraulic unit 1-15
79-3964	8-9-79	Revised control logic for hydraulic unit 1-15
79-3965	8-9-79	Revised control logic for hydraulic unit 1-15
79-3966	8-9-79	Revised control logic for hydraulic unit 1-15
79-3967	8-9-79	Revised control logic for hydraulic unit 1-15
79-3968	8-9-79	Revised control logic for hydraulic unit 1-15
79-3969	8-9-79	Revised control logic for hydraulic unit 1-15
79-3970	8-9-79	Revised control logic for hydraulic unit 1-15
79-3971	8-9-79	Revised control logic for hydraulic unit 1-15
79-3972	8-9-79	Revised control logic for hydraulic unit 1-15
79-3973	8-9-79	Revised control logic for hydraulic unit 1-15
79-3974	8-9-79	Revised control logic for hydraulic unit 1-15
79-3975	8-9-79	Revised control logic for hydraulic unit 1-15
79-3976	8-9-79	Revised control logic for hydraulic unit 1-15
79-3977	8-9-79	Revised control logic for hydraulic unit 1-15
79-3978	8-9-79	Revised control logic for hydraulic unit 1-15
79-3979	8-9-79	Revised control logic for hydraulic unit 1-15
79-3980	8-9-79	Revised control logic for hydraulic unit 1-15
79-3981	8-9-79	Revised control logic for hydraulic unit 1-15
79-3982	8-9-79	Revised control logic for hydraulic unit 1-15
79-3983	8-9-79	Revised control logic for hydraulic unit 1-15
79-3984	8-9-79	Revised control logic for hydraulic unit 1-15
79-3985	8-9-79	Revised control logic for hydraulic unit 1-15
79-3986	8-9-79	Revised control logic for hydraulic unit 1-15
79-3987	8-9-79	Revised control logic for hydraulic unit 1-15
79-3988	8-9-79	Revised control logic for hydraulic unit 1-15
79-3989	8-9-79	Revised control logic for hydraulic unit 1-15
79-3990	8-9-79	Revised control logic for hydraulic unit 1-15
79-3991	8-9-79	Revised control logic for hydraulic unit 1-15
79-3992	8-9-79	Revised control logic for hydraulic unit 1-15
79-3993	8-9-79	Revised control logic for hydraulic unit 1-15
79-3994	8-9-79	Revised control logic for hydraulic unit 1-15
79-3995	8-9-79	Revised control logic for hydraulic unit 1-15
79-3996	8-9-79	Revised control logic for hydraulic unit 1-15
79-3997	8-9-79	Revised control logic for hydraulic unit 1-15
79-3998	8-9-79	Revised control logic for hydraulic unit 1-15
79-3999	8-9-79	Revised control logic for hydraulic unit 1-15

79-3815	8-6-79	Repaired RHR loop R flow indicator
79-3005	8-7-79	Repaired S/W flow indicator, suspect blown fuse
79-3260	8-7-79	Removed temp. startup instrumentation - Startrec, and installed regular instruments
79-3421	7-17-79	Replaced existing HPCI high steamline flow relays with time relays per DCR 79-212
79-3612	8-9-79	Relocated temp. test gauge on the HPCI stop valve
79-3627	8-2-79	Replaced throttle screw on HPCI stop valve
79-3629	8-2-79	Installed two gauges in the test plugs in the HPCI stop valve oil actuating cylinder bypass line
79-3663	8-6-79	Replaced and calibrated defective HPCI suppression pool suction MCM
79-3704	8-6-79	Repaired valve handle on HPCI suppression pool suction MCM
79-3814	8-1-79	Repaired handle that sticks, replaced cond. condenser RFD
79-3825	8-1-79	Repaired RHR bypass steam regulator valve
79-3878	8-1-79	Repaired RHR bypass steam regulator valve
79-3880	8-7-79	Repaired RHR bypass steam regulator valve
79-3881	8-7-79	Repaired RHR bypass steam regulator valve
79-3882	8-7-79	Repaired RHR bypass steam regulator valve
79-3883	8-7-79	Repaired RHR bypass steam regulator valve
79-3884	8-7-79	Repaired RHR bypass steam regulator valve
79-3885	8-7-79	Repaired RHR bypass steam regulator valve
79-3886	8-7-79	Repaired RHR bypass steam regulator valve
79-3887	8-7-79	Repaired RHR bypass steam regulator valve
79-3888	8-7-79	Repaired RHR bypass steam regulator valve
79-3889	8-7-79	Repaired RHR bypass steam regulator valve
79-3890	8-7-79	Repaired RHR bypass steam regulator valve
79-3891	8-7-79	Repaired RHR bypass steam regulator valve
79-3892	8-7-79	Repaired RHR bypass steam regulator valve
79-3893	8-7-79	Repaired RHR bypass steam regulator valve
79-3894	8-7-79	Repaired RHR bypass steam regulator valve
79-3895	8-7-79	Repaired RHR bypass steam regulator valve
79-3896	8-7-79	Repaired RHR bypass steam regulator valve
79-3897	8-7-79	Repaired RHR bypass steam regulator valve
79-3898	8-7-79	Repaired RHR bypass steam regulator valve
79-3899	8-7-79	Repaired RHR bypass steam regulator valve
79-3900	8-7-79	Repaired RHR bypass steam regulator valve

79-3665	8-7-79	Repaired limit switch on R/W Unit II car conveyor
79-3670	8-7-79	Connected logic cycle on floor drain filter holding pump
79-4360	8-7-79	Installed RWCU Hx vent drain line to drain manifold per DCR 78-380
79-3145	8-2-79	Repaired alarm RCTC barometric cond. low level
79-3175	8-2-79	Repaired RCTC - barometric condenser low level alarm
79-3508	8-7-79	Repaired seismic peak shock recorder high G level alarm
79-3535	8-6-79	Repaired alarm on turbine gen. on dno. water pumps BRG. temp. high
79-3551	7-21-79	Repaired alarm on refueling bellows assembly rupture
79-3711	8-2-79	Repaired turb. LSFT pump running ahead hi alarm. <u>WID</u> same as W9 2-20-8000
79-3713	8-1-79	Repaired WRCI turbine oil cocks discharge temp. hi alarm
79-3827	8-7-79	Repaired alarm on B111 pump ring 22 112
79-3845	8-7-79	Repaired emergency diesel shutdown alarm 71
79-3851	7-1-79	Repaired alarm on WRCI turbine
79-3852	8-7-79	Repaired alarm on WRCI turbine
79-3853	8-7-79	Repaired alarm on WRCI turbine
79-523	8-3-79	Repaired load indicator on turbine engine hydraulic line
79-524	8-1-79	Repaired alarm on turbine engine

79-3817	8-5-79	Repaired burned motor on 1st stage MSR A & B leak detection recorder
79-3590	8-5-79	Repaired alarm on gas reheater inlet temp. high
79-3255	8-9-79	Repair alarm on H ₂ O ₂ analyzer
79-596	8-2-79	Repaired H ₂ O valves on Gen. H ₂ temp. controller
79-3115	8-9-79	Repaired jammed door in distribution panel
79-3543	8-6-79	Repaired lighting for 112' elev. on lighting dist. cabinet CKT. #1
79-3567	8-7-79	Repaired ground on "B" station service battery
79-3358	8-9-79	Repaired jacket coolant low temp. alarm
79-3447	7-11-79	Replaced shaft seals and tightened steering knocks to personnel airlock to forward
79-3620	8-7-79	Replaced print wheel, and put a plug on it, on the SW 312 temp. recorder
79-3511	8-11-79	Repaired coolant low temp. indicator
79-3712	8-8-79	Repaired multipoint temp. recorder multipoint
79-3713	8-11-79	Repaired multipoint temp. recorder multipoint
79-3715	8-11-79	Repaired multipoint temp. recorder multipoint
79-3716	8-11-79	Repaired multipoint temp. recorder multipoint
79-3878	3-9-79	Installed new multicolor ink pad for multipoint temperature recorder

79-2426	7-29-79	Repaired VII No storage tank safety relief valve
79-3544	7-31-79	Repaired drvwell vent exhaust flow B-recorder
79-3574	7-31-79	Repaired D/W vent exhaust flow recorder