

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-245  
 UNIT Millstone 1  
 DATE 810707  
 COMPLETED BY G. Harran  
 TELEPHONE (203) 447-1797  
 x-655

MONTH June

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	99
18	118
19	147
20	468
21	565
22	585
23	585
24	582
25	583
26	583
27	583
28	582
29	581
30	580
31	N/A

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

MDC of 654 based on commitment to New England Power Exchange.

(9/77)

### OPERATING HISTORY

June 1, 1981		Unit remains shutdown for turbine repairs
June 12, 1981	0304 Hours	Reactor Critical, Rod Group II, Rod 22-19, notch 6, period 216 sec moderator temp. 170°F
June 13, 1981	0700 Hours	Unit remains off-line due to continued turbine vibration. reactor power at 1%.
June 15, 1981	0121 Hours	Reactor SCRAM due to reactor mode switch failure.
	1323 Hours	Reactor Critical, Rod Group IV, Rod 26-31, notch 8, period 26 sec, temp. 293°F.
	1955 Hours	Reactor Power at 10%
	2210 Hours	Turbine on-line.
	2315 Hours	Turbine off-line due to continued vibration.
June 16, 1981	2350 Hours	Reactor Power at 10%
June 17, 1981	0403 Hours	Turbine On-Line
	0645 Hours	Reactor Power at 25%
	1112 Hours	Turbine Off-Line for the overspeed-trip-test.
	1248 Hours	Turbine on-line. Increasing Reactor Power.
June 18, 1981	0000 Hours	Reactor Power at 38%
	0117 Hours	Turbine trip manually on high vibration.
	2105 Hours	Reducing Reactor Power to 10%
June 19, 1981	0920 Hours	Turbine On-Line

	1100 Hours	Reactor Power at 40%
June 20, 1981	0015 Hours	Reactor Power at 67%
June 21, 1981	1130 Hours	Reactor Power at 100%
June 25, 1981		Reactor Power at 98%
June 30, 1981		Reactor Power at 98%

OPERATING DATA REPORT

DOCKET NO. 50-245  
 DATE 8/07/07  
 COMPLETED BY G. Harran  
 TELEPHONE (203) 447-1791  
 x-655

OPERATING STATUS

1. Unit Name: Millstone Unit 1  
 2. Reporting Period: June 1981  
 3. Licensed Thermal Power (MWt): 2011  
 4. Nameplate Rating (Gross MWe): 662  
 5. Design Electrical Rating (Net MWe): 660  
 6. Maximum Dependable Capacity (Gross MWe): 684  
 7. Maximum Dependable Capacity (Net MWe): 654

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
N/A

9. Power Level To Which Restricted, If Any (Net MWe): N/A

10. Reasons For Restrictions, If Any: N/A

N/A

N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>4,343</u>	<u>92,807</u>
12. Number Of Hours Reactor Was Critical	<u>441</u>	<u>515</u>	<u>66,974</u>
13. Reactor Reserve Shutdown Hours	<u>267</u>	<u>1,248.5</u>	<u>2,775.8</u>
14. Hours Generator On-Line	<u>308.5</u>	<u>346.5</u>	<u>64,472.7</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>26.5</u>
16. Gross Thermal Energy Generated (MWH)	<u>551,748</u>	<u>567,002</u>	<u>114,997,129</u>
17. Gross Electrical Energy Generated (MWH)	<u>167,700</u>	<u>172,200</u>	<u>38,957,603</u>
18. Net Electrical Energy Generated (MWH)	<u>157,207</u>	<u>148,733</u>	<u>37,178,687</u>
19. Unit Service Factor	<u>42.8</u>	<u>8.0</u>	<u>69.5</u>
20. Unit Availability Factor	<u>42.8</u>	<u>8.0</u>	<u>69.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>33.4</u>	<u>5.2</u>	<u>61.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>33.1</u>	<u>5.2</u>	<u>60.7</u>
23. Unit Forced Outage Rate	<u>57.2</u>	<u>65.3</u>	<u>16.8</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

N/A

N/A

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

26. Units In Test Status (Prior to Commercial Operation):

Forecast

Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

\_\_\_\_\_  
 \_\_\_\_\_ N/A \_\_\_\_\_  
 \_\_\_\_\_

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50/245  
 UNIT NAME Millstone 1  
 DATE 8/07/77  
 COMPLETED BY G. Harran  
 TELEPHONE (203) 447-1791  
 x-655

REPORT MONTH June

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
3b	810421	F	398.7	A	4 Turbine Trips	N/A	CA	ZZZZ	Balancing problems caused continued turbine outages.
4	810615	F	12.8	A	3	N/A	N/A	N/A	Reactor Mode Switch Failure

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

<sup>5</sup>  
 Exhibit I - Same Source

Docket No. 50-245  
 Date 810707  
 Unit Name Millstone 1  
 Completed By G. Harran  
 Telephone (203) 447-1791 x-655

## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month April 1981

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
810401	Condensate	I.P. Heater "A" Vent Valve	Replaced a 1 inch C/S Gate Valve.
810402	Control Rod Drive	Module 42-27	Replaced numbers 134, 135 and 136 on the directional control unit.
810402	Control Rod Drive	Module 38-39	Disassembled the accumulator and replaced it with a QA spare S/N H1705.
810403	Control Rod Drive	Module 42-27	Replaced number 120 sticking valve.
810404	Misc.	Hydraulic Snubber HSS-38	Rebuilt the snubber to meet the new bleed and lockup set points.
810404	Misc.	Hydraulic Snubber HSS-32	Disassembled and replaced both poppets and seal kits.
810404	Misc.	Hydraulic Snubber HSS-44	Disassembled and replaced the cylinder, piston, cylinder, piston, rings and seal kit.
810404	Condensate	"B" Condensate Booster Pump	Replaced a mechanical seal.
810404	Control Rod Drive	Module 18-03	Replaced number 120 valve.
810409	Condensate	1-AC-6 Air Actuator	Install a new actuator spring.
810411	Shutdown Cooling	1-SD-5 Operator	Replaced mounting bolts on the operator to yoke with nyloc bolts.
810413	RBCCW	'A'-RBCCW Heat Exchanger	Plugged one leaking tube.

Docket No.	50-245
Date	810707
Unit Name	Millstone 1
Completed By	G. Harran
Telephone	(203) 447-1791 x-655

## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month April 1981

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
810413	Service Water	'C" Service Water Pump	Replaced both lip seals in the tube tension nut of the pump
810415	Control Rod Drive	CRD Cooling Water Header	Installed two (2) 1-1/2 inch check valves in the cooling water header
810415	Emergency Service Water	1 Inch Drain Line	Replaced nipples and one (1) elbow with QA material.
810416	Control Rod Drive	Module 02-23	Replaced the o-rings in the scram solenoid valves.
810416	Control Rod Drive	Module 18-03	Removed directional control manifold and replaced it with a QA unit.



REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 1
2. Scheduled date for next refueling shutdown: Fall 1982
3. Scheduled date for restart following refueling: Winter 1982
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
Yes. Technical Specification changes regarding:  
(1) Maximum average planar linear heat generating rate  
(2) Maximum critical power ratio
5. Scheduled date(s) for submitting proposed licensing action and supporting information:  
Summer 1982
6. Important licensing considerations associated with refueling, e.g., new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures:  
172 "Retrofit" 8 X 8 fuel assemblies are scheduled for insertion in Cycle 9  
(Reload 8)
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
(a) In Core: 580 (b) In SFP: 954
8. The present licensed spent fuel pool storage capacity and the size of any increase in licensed storage capacity that has been requested or is planned, in number of fuel assemblies:  
2184 Assemblies
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:  
1985, Spent Fuel Pool, full core off load capability is reached.  
1991, Core Full, spent fuel pool contains 2120 bundles