

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-245  
 UNIT Millstone 1  
 DATE 790809  
 COMPLETED BY R. Young  
 TELEPHONE 203-447-1792  
X-475

MONTH July

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>588</u>	17	<u>652</u>
2	<u>275</u>	18	<u>650</u>
3	<u>95</u>	19	<u>654</u>
4	<u>463</u>	20	<u>654</u>
5	<u>592</u>	21	<u>654</u>
6	<u>652</u>	22	<u>654</u>
7	<u>653</u>	23	<u>654</u>
8	<u>653</u>	24	<u>655</u>
9	<u>653</u>	25	<u>650</u>
10	<u>654</u>	26	<u>654</u>
11	<u>650</u>	27	<u>652</u>
12	<u>654</u>	28	<u>654</u>
13	<u>654</u>	29	<u>652</u>
14	<u>654</u>	30	<u>653</u>
15	<u>654</u>	31	<u>649</u>
16	<u>654</u>		

**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.

NOTE: MDC of 654 MWe is based on commitment to New England Power Pool.

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**OPERATING DATA REPORT**

DOCKET NO. 50-245  
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**OPERATING STATUS**

1. Unit Name: Millstone 1
2. Reporting Period: July 1979
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
NA

Notes

9. Power Level To Which Restricted, If Any (Net MWe): NA
10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5,087	76,007.0
12. Number Of Hours Reactor Was Critical	732	3,294	57,781
13. Reactor Reserve Shutdown Hours	0	0	892.
14. Hours Generator On-Line	713.9	3,194.2	54,514.5
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,396,779	6,032,862	97,086,150
17. Gross Electrical Energy Generated (MWH)	476,500	2,052,200	32,857,296
18. Net Electrical Energy Generated (MWH)	455,501	1,952,689	31,371,207
19. Unit Service Factor	96.0	62.8	71.7
20. Unit Availability Factor	96.0	62.8	71.7
21. Unit Capacity Factor (Using MDC Net)	93.6	58.7	63.1
22. Unit Capacity Factor (Using DER Net)	92.8	58.2	62.5
23. Unit Forced Outage Rate	4.0	10.5	17.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
A ten day outage is tentatively scheduled for the last week in October for compliance with NRC Bulletin 79-14

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	_____	NA _____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-245  
 UNIT NAME Millstone I  
 DATE 790809  
 COMPLETED BY R. Young  
 TELEPHONE 203-447-1792  
X-475

REPORT MONTH July

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
10	790702	F	30.1	A	3	NA	PA	Blower	Unit was removed from service by a reactor low water level scram caused from feedwater reg. valve lock-up on loss of both plant air compressors. The loss of air was resolved and the unit was returned to service.

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

<sup>2</sup> 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)

<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

## OPERATING HISTORY

July 1, 1979:	0250 Hrs. -	Holding reactor power at 92% resolving turbine control valve problem.
July 2, 1979:	1118 Hrs. -	Reactor scram on low water level caused from feedwater reg. valve lockup on loss of both plant air compressors.
	2051 Hrs. -	Commenced reactor startup after correcting air compressor problem.
	2300 Hrs. -	Reactor critical #377, C.C.C. sequence, group 10, rod 18-23, position 26, temperature 360°, period 100 sec.
July 3, 1979:	0240 Hrs. -	Holding reactor power due to station air problems.
	1337 Hrs. -	Air problems resolved, increased power.
	1645 Hrs. -	Rolled main turbine.
	1723 Hrs. -	Main turbine generator on line.
July 4, 1979:	0800 Hrs. -	Holding reactor power at 75% for Main Condenser mussel cook and backwash.
	1530 Hrs. -	Completed Main Condenser cleaning, increased power.
July 5, 1979:	2020 Hrs. -	Reactor power at 100%.
July 11, 1979:	0000 Hrs. -	Reduced reactor power for Turbine Stop Valve Testing.
	0015 Hrs. -	At 90% performed TSVT.
	0025 Hrs. -	Completed TSVT, increased power.
	0105 Hrs. -	Reactor power at 100%.
July 25, 1979:	0001 Hrs. -	Decreased reactor power for TSVT.
	0027 Hrs. -	At 90%, commenced TSVT.
	0035 Hrs. -	Completed TSVT, backwashed all condensers.
	0122 Hrs. -	Completed backwash, increased reactor power.
	0155 Hrs. -	Reactor power at 100%.

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 1
2. Scheduled date for next refueling shutdown: Fall 1980
3. Scheduled date for restart following refueling: Late Fall 1980
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 1980
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:  
200 to 250 pending reload analysis for 18 month operating cycle.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
(a) In Core: 399 (b) In SEP: 958
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:  
1986

Docket No.	50-245
Date	790810
Unit Name	Millstone 1
Completed By	R. Young
Telephone	203-447-1792 X-475

## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month July

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
790516	Feedwater	R.F.P. Recirc. Vlvs. 1-FW-14A,B,C	Replaced discs and seats
790516	Feedwater	Air Operator 1-FW-14B	Replaced piston 'O' rings
790517	L.P.C.I.	"A" L.P.C.I. Heat Exchanger	Rebuilt head covers
790524	Core Spray	1-CS-5A	Machined wedge guides
790524	Gas Turbine	Lube Oil Filter	Fabricated new cover plate
790525	Control Rod Drive Hyd.	H.C.U. 18-15	Replaced seat and accumulator
790527	Reactor Bldg. Closed Cooling Water	"B" Heat Exchanger	Plugged one tube
790528	Atmosphere Control	1-AC-7 & 1-AC-9	Rebuilt air actuators
790530	Shutdown Cooling	1-SD-4A & 4B	Machined discs and seats
790531	Reactor Bldg. Closed Cooling Water	"B" Heat Exchanger	Plugged 6 tubes
790503	Diesel Gen.	Generator	Dried out microswitch
790511	4160 VAC	1B Reactor Feed Pump Breaker	Cleaned end bushing
790519	Condensate	1B Condensate Pump	Cleaned and inspected

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## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month July

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
790525	Control Rod Drive Hyd.	Scram Solenoid #118 HCU 26-03	Replaced coil
790526	L.P.C.I.	1-LP-16A	Replaced housing
790620	Atmosphere Control	1-AC-8 Operator	Replaced 'O' rings and seals
790621	Control Rod Drive Hyd.	Accumulator for 50-27	Replaced accumulator
790622	Service Water	"C" Service Water Pump	Installed new lower shaft and bearings
790622	Control Rod Drive Hyd.	Accumulator 10-11	Replaced accumulator
790624	Shutdown Cooling	1-SD-4A Motor	Moved wire inside motor
790625	Emergency Service Water	"B" E.S.W. Pump	Straightened shaft and replaced impeller
790702	Diesel Generator	Lube Oil Pressure Annunciator	Replaced with new switch
790702	Atmosphere Control	1-AC-9 Solenoid	Cleaned and tested
790727	Atmosphere Control	1-AC-12 Operator	Disassembled, cleaned operator internals, reassembled
790727	Feedwater	"B" Reactor Feed Pump	Disassembled, replaced mech. seal, reassembled
790727	Feedwater	"B" Reactor Feed Pump Disc. Check Valve	Repaired seat ring gasket area and installed new seal ring

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