

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-245  
 UNIT Millstone-1  
 DATE 800707  
 COMPLETED BY G. Harlan  
 TELEPHONE 203-447-1792  
 ext. 655

MONTH June

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

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	Unit S/D
18	
19	
20	
21	
22	
23	↓
24	199
25	153
26	466
27	407
28	600
29	647
30	657
31	

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- Net based on commitment to New England Power Exchange.

(9/77)

8007160680

OPERATING DATA REPORT

DOCKET NO. 50-245  
 DATE (800505)  
 COMPLETED BY G. Harran  
 TELEPHONE 203-447-1792  
 ext. 655

OPERATING STATUS

1. Unit Name: Millstone Unit 1
2. Reporting Period: (May 1980)
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:  
N/A

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

Notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>3647.0</u>	<u>* 83327.0</u>
12. Number Of Hours Reactor Was Critical	<u>724.5</u>	<u>3627.5</u>	<u>64012.5</u>
13. Reactor Reserve Shutdown Hours	<u>19.5</u>	<u>19.5</u>	<u>954.5</u>
14. Hours Generator On-Line	<u>720.5</u>	<u>3623.5</u>	<u>61719.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1272306</u>	<u>5949889</u>	<u>109997834</u>
17. Gross Electrical Energy Generated (MWH)	<u>(435100)</u>	<u>(2018400)</u>	<u>(37249796)</u>
18. Net Electrical Energy Generated (MWH)	<u>(415028)</u>	<u>(1926465)</u>	<u>(35566247)</u>
19. Unit Service Factor	<u>96.8</u>	<u>99.4</u>	<u>74.1</u>
20. Unit Availability Factor	<u>96.8</u>	<u>99.4</u>	<u>74.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>(85.3)</u>	<u>(80.8)</u>	<u>(65.3)</u>
22. Unit Capacity Factor (Using DER Net)	<u>(84.5)</u>	<u>(80.0)</u>	<u>(64.7)</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>15.9</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Annual Refuel and Maintenance outage scheduled to commence September 19, 1980  
for approximately 8 - 10 weeks.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 800622

	Forecast	Achieved
INITIAL CRITICALITY	<u>_____</u>	<u>_____</u>
INITIAL ELECTRICITY	<u>_____</u>	<u>_____</u>
COMMERCIAL OPERATION	<u>_____</u>	<u>_____</u>

N/A

OPERATING DATA REPORT

DOCKET NO. 50-245  
 DATE 800707  
 COMPLETED BY G. Harran  
 TELEPHONE 203-447-1792  
 ext. 655

OPERATING STATUS

- 1. Unit Name: Millstone Unit 1
- 2. Reporting Period: June 1980
- 3. Licensed Thermal Power (MWt): 2011
- 4. Nameplate Rating (Gross MWe): 622
- 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  
 N/A

- 9. Power Level To Which Restricted, If Any (Net MWe): N/A
- 10. Reasons For Restrictions, If Any: N/A

	This Month	Yr. to-Date	Cumulative
11. Hours In Reporting Period	720	4367.0	84047.0
12. Number Of Hours Reactor Was Critical	165.5	3793.0	64178.0
13. Reactor Reserve Shutdown Hours	557.8	577.3	1512.3
14. Hours Generator On-Line	149	3772.5	61868.4
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	227,825	6,177,714	110,225,659
17. Gross Electrical Energy Generated (MWH)	78,847	2,097,247	37,328,643
18. Net Electrical Energy Generated (MWH)	72,230	1,998,695	35,638,477
19. Unit Service Factor	20.7	86.4	73.6
20. Unit Availability Factor	20.7	86.4	73.6
21. Unit Capacity Factor (Using MDC Net)	15.3	70.0	64.8
22. Unit Capacity Factor (Using DER Net)	15.2	69.3	64.2
23. Unit Forced Outage Rate	8.1	0.3	15.9

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

Annual Refuel and Maintenance outage scheduled to commence September 27, 1980 for approximately 8 - 10 weeks.

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

## OPERATING HISTORY

June 1, 1980		Unit shutdown for repairs to extraction steam piping and main condenser continues.
June 13, 1980	0730 Hours	Questionable integrity of LPCI subsystem 'B' injection piping at primary containment penetration X-45 made repairs necessary.
June 15, 1980		All extraction steam piping and main condenser repairs complete. Penetration X-45 repairs continue.
June 23, 1980		Penetration X-45 repairs complete.
	2010 Hours	Reactor critical. Control rod Group 2 Rod 14-11 Notch 6
June 24, 1980	0544 Hours	Generator on line.
	1600 Hours	Reactor power at 34%.
June 25, 1980	0001 Hours	Reactor power at 73%.
	0450 Hours	Reactor scram on APRM Hi-Hi.
	0835 Hours	Commenced control rod withdrawal.
	1055 Hours	Reactor critical.
	1755 Hours	Generator on line.
	1930 Hours	Reactor power at 40%.
June 26, 1980	0615 Hours	Reactor power at 80%.
	1100 Hours	Holding reactor power at 80% due to condenser $\Delta T$ problems.
	2230 Hours	Reactor power decreased to 40% for main condenser tube plugging.
June 27, 1980	0430 Hours	Main condenser repairs complete. Increasing reactor power.
	1600 Hours	Reactor power at 80%.
June 29, 1980	0715 Hours	Reactor power at 100%.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH (May)

DOCKET NO. 50-245  
 UNIT NAME Millstone-1  
 DATE 800505  
 COMPLETED BY G. Harran  
 TELEPHONE 203-447-1792  
 ext. 655

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
04	800530	S	23.5	A	4	N/A	HJ	TURBIN	Unit was removed from service to inspect and repair as necessary a steam leak in the extraction steam expansion joint off L.P. turbine.
03	800508	S	15.0	A	4	N/A	HC	HTEXCH	Power was reduced for main condenser tube leak repairs and rod pattern adjustment.

(Corrected May copy. Item 03 was inadvertently missed on the May report.)

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-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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-245  
 UNIT NAME 800707  
 DATE Millstone-1  
 COMPLETED BY G. Harran  
 TELEPHONE 203-447-1792  
 ext. 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
04	800530	S	360	A	4		HJ	TURBIN	Unit was removed from service to inspect and repair as necessary an extraction steam piping leak off L.P. turbine.
04A	800616	S	197.8	H	4	80-10/3L	SF	SUPPORT	Questional integrity of LPCI subsystem 'B' injection, piping at penetration X-45 made repairs necessary. This extended No. 05 shutdown for the hours indicated (duration).
05	800625	F	13.2	A	3		CC	XXXXXX	Electric pressure regulator malfunction induced APRM scram. The pressure control was transferred to mechanical.

<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

Docket No. 50-245  
Date 80505  
Unit Name Millstone -1  
Completed By G. Har'ran  
Telephone 203-447-1792  
ext. 655

## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month (May) \_\_\_\_\_

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
800705	#302 - Control Rod Drive	CRD Module 26-39 H <sub>2</sub> O Accumulator	Removed accumulator (ser #2493) because of leakage by the piston and replaced it with a rebuilt (ser #2782).
802805	#309-TBSCCW	Heat Exchanger "B"	Three leaking tubes were plugged.

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## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month June

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
800602	316 Feedwater	'B' IP Heater Highpoint Vent Valve	Replaced a leaking valve with a new one.
800604	338 Diesel Generator	Fuel Oil Day Tank Fill Line Blowdown Valve.	Replaced a leaking valve with a new one.
800604	315 Condensate	'B' RFP Bypass Line Flange	Replaced worn flange gaskets.
800604	316 Feedwater	1-FW-5C, 10% Valve	Disassembled and installed a new plug and seat and reassembled.
800614	316 Feedwater	1-FW-14A, Min. Flow Valve	Disassembled and installed a new plug and seat and reassembled.
800614	336 Core Spray	1-CS-5A, Valve	Machined and lapped a leaking disc. and seat.
800614	301 Reactor Recirc.	'B' Recirc. Pump	Installed a rebuilt mech. seal to replace a worn one.
800615	310 Fuel Pool	1-FP-34, Valve	Machined and lapped a leaking disc. and seal.
800615	316 Feedwater	1-FW-14B, Min. Flow Valve	Disassembled and installed a new plug and seat and reassembled.



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:  
168 "Retrofit" 8 x 8 fuel assemblies are scheduled for insertion in cycle 8 (reload 7).
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: 776
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.

RHY:rmj