

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-245  
 UNIT Millstone 1  
 DATE 820806  
 COMPLETED BY G. Harran  
 TELEPHONE 203/447-1791  
Ext. 4194

MONTH JULY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	593
2	593
3	592
4	594
5	593
6	593
7	586
8	591
9	591
10	592
11	591
12	591
13	588
14	586
15	590
16	591

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	590
18	571
19	589
20	592
21	592
22	591
23	591
24	591
25	589
26	587
27	460
28	586
29	580
30	579
31	26

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.

(9/77)

8209240338 820813  
 PDR ADOCK 05000245  
 R PDR

OPERATING DATA REPORT

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OPERATING STATUS

1. Unit Name: Millstone Unit 1
2. Reporting Period: July 1982
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
NA  
NA
9. Power Level To Which Restricted, If Any (Net MWe): Approximately 595 MWE
10. Reasons For Restrictions, If Any: Main turbine complete 14th stage removal.

Notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5087	102311
12. Number Of Hours Reactor Was Critical	721.2	5026	76280.1
13. Reactor Reserve Shutdown Hours	0	0	2775.8
14. Hours Generator On-Line	721.2	5016.4	73660.1
15. Unit Reserve Shutdown Hours	0	0	26.5
16. Gross Thermal Energy Generated (MWH)	1423892	9832621	132867705
17. Gross Electrical Energy Generated (MWH)	444500	3077800	44539796
18. Net Electrical Energy Generated (MWH)	422442	2927996	42476819
19. Unit Service Factor	96.9	98.6	72.0
20. Unit Availability Factor	96.9	98.6	72.0
21. Unit Capacity Factor (Using MDC Net)	86.8	88.0	63.5
22. Unit Capacity Factor (Using DER Net)	86.0	87.2	62.9
23. Unit Forced Outage Rate	3.1	1.4	15.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling outage, September 11, 1982, 12 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 820802

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 820806  
 COMPLETED BY G. HARRAH  
 TELEPHONE 203/447-1791  
 Ext. 4194

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
4	820827	S	0	B	4	NA	NA	NA	Decreased reactor power to 45% to find and plug leaking main condenser tubes.
5	820831	F	22.8	H	3	NA	NA	NA	The generator out-of-step relay located in the switchyard malfunctioned and tripped open the switchyard breakers. This caused a full load reject followed by an "ATWS" Division 1 scram.

<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

REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 1
2. Scheduled date for next refueling shutdown: September 1982
3. Scheduled date for restart following refueling: November 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

GRH:rmj