

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-245  
 UNIT Millstone 1  
 DATE 820907  
 COMPLETED BY G. Harran  
 TELEPHONE (203)447-1791  
Ext. 4194

MONTH AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	170
3	290
4	476
5	496
6	584
7	572
8	570
9	566
10	566
11	564
12	563
13	555
14	575
15	573
16	571

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	568
18	569
19	568
20	565
21	563
22	562
23	560
24	556
25	549
26	550
27	547
28	546
29	544
30	542
31	539

**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)

**OPERATING DATA REPORT**

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OPERATING STATUS

1. Unit Name: Millstone 1
2. Reporting Period: August 1982
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  
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	5831	103055
12. Number Of Hours Reactor Was Critical	726.5	5752.5	77006.6
13. Reactor Reserve Shutdown Hours	0	0	2775.8
14. Hours Generator On-Line	713.7	5730.1	74373.8
15. Unit Reserve Shutdown Hours	0	0	26.5
16. Gross Thermal Energy Generated (MWH)	1334842	11167463	134202547
17. Gross Electrical Energy Generated (MWH)	404300	3482100	44944096
18. Net Electrical Energy Generated (MWH)	383158	3311154	42859977
19. Unit Service Factor	95.9	98.3	72.2
20. Unit Availability Factor	95.9	98.3	72.2
21. Unit Capacity Factor (Using MDC Net)	78.7	86.8	63.6
22. Unit Capacity Factor (Using DER Net)	78	86	63
23. Unit Forced Outage Rate	4.1	1.7	15.2

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

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	_____	N/A
COMMERCIAL OPERATION	_____	_____

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH AUGUST

DOCKET NO. 50-245  
 UNIT NAME Millstone 1  
 DATE 820907  
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 TELEPHONE 203/447-1791  
Ext. 4194

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
5a	820831	F	30.3	H	3	N/A	N/A	N/A	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

Docket No.	50-245
Date	820907
Unit Name	Millstone 1
Completed By	George Harran
Telephone	203/447-1791

## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month AUGUST

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
6-30-82	Fire Protection	Battery Charger 2001-3002	Replaced
7-13-82	LPCI	5 minute timer	Per PDCR 1-75-82, moved wires from Terminal 1 of 1530-132 & 1530-232 to Terminal 3.
7-21-82	Fire Protection	1FDS1 Battery	Replaced
7-21-82	Fire Protection	FDS6 Battery	Replaced
7-21-82	Fire Protection	Module	Replace
7-23-82	Fire Protection	Panel 1FDS1A Battery Charger	Replace LED in High Rate Indicator
7-31-82	Nuc. Instrumentation	SRM Ch. 24	Replaced Cal/Feedback Module
8-1-82	APR System	APR Acoustic Valve Monitor Ch. 3 Preamp	Replace
8-12-82	Nuc. Instrumentation	SRM Drawer	Replace Crystal-Y1 in Signal Generator Module
8-13-82	Nuc. Instrumentation	SRM Drawer	Replace Capacitors C1 & C2

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