

# OPERATING DATA REPORT

DOCKET NO. 50-336  
 DATE 11/14/83  
 COMPLETED BY J. Gibson  
 TELEPHONE (203) 447-1791  
 Ext. 4431

## OPERATING STATUS

1. Unit Name: Millstone 2
2. Reporting Period: October 1983
3. Licensed Thermal Power (MWt): 2700
4. Nameplate Rating (Gross MWe): 909
5. Design Electrical Rating (Net MWe): 870
6. Maximum Dependable Capacity (Gross MWe): 895
7. Maximum Dependable Capacity (Net MWe): 864
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7)  
 Since Last Report, Give Reasons:  
N A

Notes Items 21 and 22  
 cumulative are weighted  
 Ave. unit operated at  
 2560 MW thermal prior  
 to its uprating to the  
 current 2700 MW thermal  
 power level.

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	745	7296	68898
12. Number Of Hours Reactor Was Critical	0	3130.5	48365.3
13. Reactor Reserve Shutdown Hours	0	0	2205.5
14. Hours Generator On-Line	0	2994.9	46182.2
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	0	7877464	116311669
17. Gross Elec. Energy Generated (MWH)	0	2575530	37806378
18. Net Electrical Energy Generated (MWH)	(-2692)	2459709.4	36221522
19. Unit Service Factor	0	41.0	67.1
20. Unit Availability Factor	0	41.0	67.8
21. Unit Capacity Factor (Using MDC Net)	0	39.0	62.7
22. Unit Capacity Factor (Using DER Net)	0	38.8	61.9
23. Unit Forced Outage Rate	0	13.7	19.1
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Continuation of Refuel/Maintenance Outage			

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  | N/A      | N/A      |
| INITIAL ELECTRICITY  | N/A      | N/A      |
| COMMERCIAL OPERATION | N/A      | N/A      |

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336

UNIT Millstone 2

DATE 11/14/83

COMPLETED BY J. Gibson

TELEPHONE (203) 447-1791  
EXT. 4431

MONTH October 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<u>0</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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-336

UNIT NAME Millstone 2DATE 11/14/83COMPLETED BY J. GibsonTELEPHONE (203) 447-1701

Ext. 4431

REPORT MONTH October 1983

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
5	830528	S	745	C	1	N/A	N/A	N/A	Continuation of Refuel and Maintenance Outage from previous month

- |              |   |                   |                           |
|--------------|---|-------------------|---------------------------|
| 1            | 2   | 3                 | 4                         |
| F: Forced    | Reason:                                   | Method:           | Exhibit G - Instructions  |
| S: Scheduled | A-Equipment Failure (Explain)             | 1-Manual          | for Preparation of Data   |
|              | B-Maintenance or Test                     | 2-Manual Scram    | Entry Sheets for Licensee |
|              | C-Refueling                               | 3-Automatic Scram | Event Report (LER) File   |
|              | D-Regulatory Restriction                  | 4-Other (Explain) | (NUREG-0161)              |
|              | E-Operator Training & License Examination |                   |                           |
|              | F-Administrative                          |                   |                           |
|              | G-Operational Error (Explain)             |                   | 5                         |
|              | H-Other (Explain)                         |                   | Exhibit 1 - Same Source   |

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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH October 1983

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
10/3/83	Safety Injection	Safety Valve 2-SI-466	Adjusted blowdown ring, overhauled and tested valve.
10/4/83	Diesel Generator	"A" Lube Oil Cooler	"A" Lube oil cooler vent line installed
10/4/83	Diesel Generator	"A" Heat exchanger	Thermometer well modification
10/6/83	Safety Injection	Safety Injection Tank Level Transmitters	Installed "O" rings and torqued covers to environmentally qualify transmitters.
10/21/83	RPS	Trip unit power supplies	Replaced Channel A, B, and C Trip Unit power supplies.
10/27/83	Main Steam	Safety Valve 2-MS-254	Installed 2-MS-254
10/28/83	Main Steam	Safety Valve 2-MS-244	Installed 2-MS-244
10/31/83	ESAS	Actuation Module S.N. 058	Replaced failed component in actuation module.
10/31/83	RPS	Potentiometer Channel "B"	T <sub>cold</sub> voltage adjustment potentiometer replaced

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown:  
  
Currently in Refuel/Maintenance Outage which commenced May 28, 1983.
3. Schedule date for restart following refueling: Estimated date for restart is reactor critical on Dec. 31, 1983; Turbine On-Line Jan. 5, 1984. NNECo is currently working to a schedule consistent with the removal of the reactor vessel thermal shield and examination of the Core Support Barrel.
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
It is anticipated that Cycle 6 operations will require Technical Specification changes or other License amendments. Supporting information has already been submitted.
5. Scheduled date(s) for submitting licensing action and supporting information:  
Reassessments of the small & large break LOCA analyses were submitted on Nov. 2, 1983. This reassessment of the LOCA analyses takes into account the thermal shield removal and Cycle 6 core redesign characteristics. A supplement to the Reload Safety Evaluation (RSE) Report will be sent on about Nov. 7, 1983 to address the Cycle 6 core redesign. Further transmittals will be made on the effects of thermal shield removal.
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:  
Steam Generator sleeves have been installed as well as some Steam Generator Tube plugging has been performed. The Thermal Shield has been removed from the Core Support Barrel. The Core Support Barrel is currently being inspected.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
  
(a) In Core: 0 (b) 505
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:  
  
667
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 capacity is reached.  
1987, Core Full, Spent Fuel Pool contains 648 bundles.