

**OPERATING DATA REPORT**

DOCKET NO. 50-336  
 DATE 9-10-82  
 COMPLETED BY J. Gibson  
 TELEPHONE (203) 447-1791  
X 4431

**OPERATING STATUS**

1. Unit Name: Millstone 2  
 2. Reporting Period: August 1982  
 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 22 and 21 cumulative are weighted ave. unit operated at 2560 MWt prior to uprating to its 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               | 744        | 5831        | 58583      |
| 12. Number Of Hours Reactor Was Critical    | 692        | 3751.4      | 42338.7    |
| 13. Reactor Reserve Shutdown Hours          | 0          | 128.6       | 2205.5     |
| 14. Hours Generator On-Line                 | 659        | 3510.4 *    | 40511.9 *  |
| 15. Unit Reserve Shutdown Hours             | 0          | 0           | 468.2      |
| 16. Gross Thermal Energy Generated (MWH)    | 1724588.2  | 9042760.9   | 101454000  |
| 17. Gross Electrical Energy Generated (MWH) | 560130     | 2961950     | 32963448   |
| 18. Net Electrical Energy Generated (MWH)   | 537693.6   | 2830602.3   | 31584362   |
| 19. Unit Service Factor                     | 88.6       | 60.2        | 69.2       |
| 20. Unit Availability Factor                | 88.6       | 60.2        | 70.0       |
| 21. Unit Capacity Factor (Using MDC Net)    | 83.6       | 56.2        | 64.8       |
| 22. Unit Capacity Factor (Using DER Net)    | 83.1       | 55.8        | 63.8       |
| 23. Unit Forced Outage Rate                 | 7.3        | 8.3         | 20.1       |

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

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  | NA       | NA       |
| INITIAL ELECTRICITY  | NA       | NA       |
| COMMERCIAL OPERATION | NA       | NA       |

\* Corrects minor math error in July 1982 report.

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-336  
 UNIT Millstone 2  
 DATE 9-10-82  
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MONTH AUGUST 1982

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | 0 (-16)                                |
| 2   | 0 (-27)                                |
| 3   | 0 (-27)                                |
| 4   | 30                                     |
| 5   | 470                                    |
| 6   | 812                                    |
| 7   | 849                                    |
| 8   | 849                                    |
| 9   | 848                                    |
| 10  | 847                                    |
| 11  | 848                                    |
| 12  | 833                                    |
| 13  | 846                                    |
| 14  | 846                                    |
| 15  | 846                                    |
| 16  | 845                                    |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | 847                                    |
| 18  | 849                                    |
| 19  | 846                                    |
| 20  | 846                                    |
| 21  | 846                                    |
| 22  | 847                                    |
| 23  | 846                                    |
| 24  | 845                                    |
| 25  | 847                                    |
| 26  | 847                                    |
| 27  | 847                                    |
| 28  | 847                                    |
| 29  | 848                                    |
| 30  | 849                                    |
| 31  | 848                                    |

**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 2  
**DATE** 9-10-82  
**COMPLETED BY** J. Gibson  
**TELEPHONE** 447-1791 Ext. 4431

**REPORT MONTH** AUGUST 82<sup>1</sup>

| 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  |
|-----|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 16  | 820804 | F                 | 85               | A                   | 1  | 82-32                   | CI                       | VALVEX                      | Continuation of end of July 1982 shutdown for excessive reactor coolant system leakage. Repaired leaks and resumed normal start-up procedures on 080482.                           |
| 17  | 820812 | F                 | 0                | A                   | N/A  | 82-35                   | PC                       | VALVOP                      | A reduction in power to 85% occurred due to inadvertent injection of highly borated water into the RCS. The duration was short with immediate ramp to 100% power. See L.E.R.82-35. |

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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month AUGUST 1982

| DATE | SYSTEM                                | COMPONENT                          | MAINTENANCE ACTION                       |
|------|---------------------------------------|------------------------------------|--|
| 8/18 | CVCS                                  | 'A' Charging Pump                  | Repack pump                              |
| 8/2  | Main Steam                            | 2-MS-64B                           | Re-inject Furmanite compound into clamp. |
| 8/18 | Process and area radiation monitoring | Process Rad Monitor for liquid S/G | Replace 3600 CRA-73 circuit card chip.   |
| 8/20 | Process and area radiation monitoring | Rad Monitor for aerated radwaste.  | Replace signal input card.               |

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown: April 16, 1983
3. Schedule date for restart following refueling: June 4, 1983
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

It is not anticipated that Cycle 6 operations will require Technical Specification changes or other License amendments.

5. Scheduled date(s) for submitting licensing action and supporting information:

N/A

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:

N/A

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

(a) In Core: 217 (b) 288

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 capability is reached,  
1987, Core Full, Spent Fuel Pool contains 648 bundles.