

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-245  
 UNIT Millstone I  
 DATE 810712  
 COMPLETED BY G. Harran  
 TELEPHONE (203) 447-1791  
x 4194

MONTH November

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | 596                                    |
| 2   | 596                                    |
| 3   | 596                                    |
| 4   | 592                                    |
| 5   | 596                                    |
| 6   | 598                                    |
| 7   | 596                                    |
| 8   | 597                                    |
| 9   | 596                                    |
| 10  | 594                                    |
| 11  | 595                                    |
| 12  | 593                                    |
| 13  | 595                                    |
| 14  | 359                                    |
| 15  | 461                                    |
| 16  | 571                                    |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | 570                                    |
| 18  | 565                                    |
| 19  | 595                                    |
| 20  | 594                                    |
| 21  | 596                                    |
| 22  | 595                                    |
| 23  | 595                                    |
| 24  | 596                                    |
| 25  | 572                                    |
| 26  | 595                                    |
| 27  | 596                                    |
| 28  | 595                                    |
| 29  | 595                                    |
| 30  | 595                                    |
| 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.

MDC of 654 based on commitment to New England Power Exchange.

(9/77)

NOVEMBER 1981 OPERATING HISTORY

|                   |            |  |
|-------------------|------------|--|
| November 1, 1981  |            | Reactor power at 100%.   |
| November 4, 1981  | 0001 Hours | Reduced reactor power to 90% for Turbine Stop Valve Testing.   |
|                   | 0038 Hours | Backwashing main condensers.   |
|                   | 0140 Hours | Reactor Power returned to 100%.  |
| November 14, 1981 | 0530 Hours | Reduced reactor power for a control rod pattern change.  |
|                   | 0705 Hours | Reactor power at 40%.  |
| November 16, 1981 | 1300 Hours | Reactor power returned to 100%.  |
| November 17, 1981 | 1852 Hours | Reducing reactor power to 90% because of APRM Hi Hi alarm.   |
|                   | 2020 Hours | Further reducing reactor power to 76% due to a 1/2 channel scram caused by spurious turbine load reject, pressure switch activation. |
| November 18, 1981 | 1015 Hours | Reactor power returned to 100%.  |
| November 25, 1981 | 0005 Hours | Reduced reactor power to 90% for Turbine Stop Valve Testing.   |
|                   | 0045 Hours | Further reduced reactor power to 75% for mussel heat wash treatment.   |
|                   | 0545 Hours | Returned reactor power to 100%.  |
| November 30, 1981 |            | Reactor power at 100%.   |

**OPERATING DATA REPORT**

DOCKET NO. 50-245  
 DATE 8/07/12  
 COMPLETED BY G. Harran  
 TELEPHONE (203) 447-1791  
 Ext. 4194

OPERATING STATUS

1. Unit Name: Millstone Unit I  
 2. Reporting Period: November 1981  
 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  
N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): 595 MWE  
 10. Reasons For Restrictions, If Any: Main Turbine complete 14th stage removal.

|  | This Month | Yr.-to-Date | Cumulative |
|--|------------|-------------|------------|
| 11. Hours In Reporting Period  | 720        | 8016        | 96480      |
| 12. Number Of Hours Reactor Was Critical                                       | 720        | 4079.0      | 70538.6    |
| 13. Reactor Reserve Shutdown Hours   | 0          | 1248.5      | 2775.8     |
| 14. Hours Generator On-Line  | 720        | 3816.7      | 67942.9    |
| 15. Unit Reserve Shutdown Hours  | 0          | 0           | 26.5       |
| 16. Gross Thermal Energy Generated (MWH)                                       | 1404201    | 7270624     | 121700751  |
| 17. Gross Electrical Energy Generated (MWH)                                    | 438100     | 2243900     | 41044796   |
| 18. Net Electrical Energy Generated (MWH)                                      | 417127     | 2122340     | 39152294   |
| 19. Unit Service Factor  | 100        | 47.6        | 70.4       |
| 20. Unit Availability Factor   | 100        | 47.5        | 70.4       |
| 21. Unit Capacity Factor (Using MDC Net)                                       | 88.6       | 40.5        | 62.1       |
| 22. Unit Capacity Factor (Using DER Net)                                       | 87.8       | 40.1        | 61.5       |
| 23. Unit Forced Outage Rate  | 0          | 29.3        | 16.3       |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): |            |             |            |

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                                       | _____    | _____    |
| COMMERCIAL OPERATION                                      | _____    | _____    |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-245  
 UNIT NAME Millstone Unit I  
 DATE 8/07/72  
 COMPLETED BY G. Harran  
 TELEPHONE (203) 447-1791  
 Ext. 4194

REPORT MONTH NOVEMBER

| 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 |
|-----|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 13  | 811114 | S                 | 0                | H                   | N/A  | N/A                     | N/A                      | N/A                         | Control Rod Pattern Change                      |

<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

MAINTENANCE SHOP

|              |                |
|--------------|----------------|
| Docket No.   | 50-245         |
| Date         | 810712         |
| Unit Name    | Millstone 1    |
| Completed By | George Harran  |
| Telephone    | (203) 447-1791 |
|              | Ext. 4194      |

## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month November, 1981

| DATE     | SYSTEM | COMPONENT             | MAINTENANCE ACTION                          |
|----------|--------|-----------------------|---|
| 11-5-81  | 332    | Simplex Fusible Links | Tested & Installed New Links                |
| 11-10-81 | 349    | Main Steam Line       | Remove Drawer Channel "B" & Installed Spare |

REFUELING INFORMATION REQUEST

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

INSTRUMENT & CONTROLS

|              |                  |
|--------------|------------------|
| Docket No.   | 50-245           |
| Date         | 8/07/81          |
| Unit Name    | Millstone Unit I |
| Completed By | G. Harran        |
| Telephone    | (203) 447-1791   |
|              | Ext. 4194        |

## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month OCTOBER, 1981

| DATE     | SYSTEM                            | COMPONENT                                 | MAINTENANCE ACTION                          |
|----------|-----------------------------------|---|---|
| 10-6-81  | Containment<br>Atmosphere Control | 1621D Switch                              | Replaced Micro Switch and Calibrated        |
| 10-28-81 | Nuclear Instrumentation           | Process Radiation Monitor<br>SN 6,341,581 | Replaced Q6 from Pulse Height Discriminator |