

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-245

UNIT 1

DATE 830705

COMPLETED BY G. Harran

TELEPHONE 203/447-1791  
Ext. 4194

MONTH June

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | <u>655</u>                             | 17  | <u>649</u>                             |
| 2   | <u>655</u>                             | 18  | <u>237</u>                             |
| 3   | <u>655</u>                             | 19  | <u>0</u>                               |
| 4   | <u>655</u>                             | 20  | <u>0</u>                               |
| 5   | <u>654</u>                             | 21  | <u>0</u>                               |
| 6   | <u>655</u>                             | 22  | <u>275</u>                             |
| 7   | <u>387</u>                             | 23  | <u>605</u>                             |
| 8   | <u>15</u>                              | 24  | <u>649</u>                             |
| 9   | <u>423</u>                             | 25  | <u>652</u>                             |
| 10  | <u>620</u>                             | 26  | <u>652</u>                             |
| 11  | <u>653</u>                             | 27  | <u>652</u>                             |
| 12  | <u>576</u>                             | 28  | <u>653</u>                             |
| 13  | <u>642</u>                             | 29  | <u>649</u>                             |
| 14  | <u>653</u>                             | 30  | <u>653</u>                             |
| 15  | <u>653</u>                             | 31  | <u>---</u>                             |
| 16  | <u>653</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.

8308110357 830705  
PDR ADCCK 05000245  
R PDR

*IE 24*

OPERATING DATA REPORT

DOCKET NO. 50-245  
 DATE 830705  
 COMPLETED BY G. Harran  
 TELEPHONE 203/447-1791  
 Ext. 4194

OPERATING STATUS

- |     |   |            |
|-----|---|------------|
| 1.  | Unit Name: <u>Millstone Unit 1</u>  | Notes      |
| 2.  | Reporting Period: <u>June 1983</u>  |            |
| 3.  | Licensed Thermal Power (Mwt): <u>2011</u>   |            |
| 4.  | Nameplate Rating (Gross MWe): <u>662</u>  |            |
| 5.  | Design Electrical Rating (Net MWe): <u>660</u>  |            |
| 6.  | Maximum Dependable Capacity (Gross MWe): <u>684</u>   |            |
| 7.  | Maximum Dependable Capacity (Net MWe): <u>654</u>   |            |
| 8.  | If Changes Occur in Capacity Ratings (Items Number 3 Through 7)<br>Since Last Report, Give Reasons:<br><u>N/A</u> |            |
| 9.  | Power Level To Which Restricted, If Any (Net MWe):  | <u>N/A</u> |
| 10. | Reasons For Restrictions, If Any:   | <u>N/A</u> |

|  | This Month     | Yr.-to-Date    | Cumulative       |
|--|----------------|----------------|------------------|
| 11. Hours In Reporting Period  | <u>720</u>     | <u>4343</u>    | <u>110327</u>    |
| 12. Number Of Hours Reactor Was Critical                                       | <u>621.5</u>   | <u>4112.4</u>  | <u>82409.1</u>   |
| 13. Reactor Reserve Shutdown Hours   | <u>0</u>       | <u>0</u>       | <u>2775.8</u>    |
| 14. Hours Generator On-Line  | <u>596.1</u>   | <u>4038.2</u>  | <u>79678.6</u>   |
| 15. Unit Reserve Shutdown Hours  | <u>0</u>       | <u>0</u>       | <u>26.5</u>      |
| 16. Gross Thermal Energy Generated (MWH)                                       | <u>1137973</u> | <u>7897350</u> | <u>144531999</u> |
| 17. Gross Elec. Energy Generated (MWH)   | <u>389800</u>  | <u>2702100</u> | <u>48457996</u>  |
| 18. Net Electrical Energy Generated (MWH)                                      | <u>371255</u>  | <u>2579549</u> | <u>46206649</u>  |
| 19. Unit Service Factor  | <u>82.8</u>    | <u>93</u>      | <u>72.2</u>      |
| 20. Unit Availability Factor   | <u>82.8</u>    | <u>93</u>      | <u>72.2</u>      |
| 21. Unit Capacity Factor (Using MDC Net)                                       | <u>78.8</u>    | <u>90.8</u>    | <u>64</u>        |
| 22. Unit Capacity Factor (Using DER Net)                                       | <u>78.1</u>    | <u>90</u>      | <u>63.5</u>      |
| 23. Unit Forced Outage Rate  | <u>17.2</u>    | <u>7.1</u>     | <u>14.6</u>      |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | <u>N/A</u>     |                |                  |

- |     |  |                          |
|-----|--|--------------------------|
| 25. | If Shut Down At End Of Report Period, Estimated Date of Startup: | <u>N/A</u>               |
| 26. | Units In Test Status (Prior to Commercial Operation):            | <u>Forecast Achieved</u> |

|                      |            |
|----------------------|------------|
| INITIAL CRITICALITY  |            |
| INITIAL ELECTRICITY  | <u>N/A</u> |
| COMMERCIAL OPERATION |            |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-245  
 UNIT NAME Millstone 1  
 DATE 830705  
 COMPLETED BY G. Harran  
 TELEPHONE 203/447-1791  
 Ext. 4194

REPORT MONTH June

| 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   |
|-----|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 7   | 830607 | F                 | 33.2             | H                   | 3  | N/A                     | N/A                      | N/A                         | Reactor scram due to a turbine trip on high reactor water level.                                      |
| 8   | 830618 | F                 | 90.7             | A                   | 1,2  | 83-24/3L                | EE                       | 'TURBIN'                    | Inoperable gas turbine. Manual shutdown until approximately 5% reactor power then manually scrambled. |

<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 1 - Same Source

Docket No. 50-245  
 Date 830705  
 Unit Name Millstone 1  
 Completed By G. Harran  
 Telephone 203/447-1791  
 Ext. 4194

CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH June 1983

| DATE    | SYSTEM                  | COMPONENT                                 | MAINTENANCE ACTION                              |
|---------|-------------------------|---|---|
| 1-13-83 | Misc.                   | Unit 1 Fire Pump House J.O.183-004        | Seal pipe opening in north wall.                |
| 1-18-83 | Fire Prot. Sys.         | 1-FIRE-18B Valve J.O.183-006              | Replace gasket on flange joint.                 |
| 1-18-83 | Control Rod Drive       | HCU-50-23 J.O.183-008                     | Overhaul 117 valve on HCU-50-23                 |
| 1-24-83 | Closed Cooling Wtr Sys. | "B" Turb. Secondary C.C.W.HX. J.O.183-012 | Plug leaks in tubes.                            |
| 2-2-83  | Misc.                   | Fuel Pool Gate J.O.183-016                | Replaced gasket on gate.                        |
| 2-4-83  | Ser. Wtr. Sys.          | Service Wtr Strainer J.O.183-018          | Replaced strainer.                              |
| 2-7-83  | Diesel Gen.             | A.C. Air Compressor J.O.183-019           | Replace crankcase oil.                          |
| 2-7-83  | Diesel Gen.             | Air Start Solenoids J.O.183-022           | Repaired solenoids as necessary                 |
| 2-11-83 | Diesel Gen.             | Injector Nozzle J.O.183-020               | Removed & repaired #7 cylinder injector nozzle. |
| 2-18-83 | Liq. Radwaste           | Floor Drain Filter J.O.183-027            | Removed 3" RWL-39 & welded end cap              |
| 2-28-83 | Misc.                   | Atkomatic Spare Valve Stems J.O.183-035   | Polish/buff weld splatter from valve stems.     |

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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH June 1983

| DATE    | SYSTEM         | COMPONENT                        | MAINTENANCE ACTION                                   |
|---------|----------------|----------------------------------|--|
| 3-4-85  | Liq. Radwaste  | "B" Concentrator J.O.183-038     | Weld plates over leak on vapor condenser.            |
| 3-7-83  | Liq. Radwaste  | "B" Concentrator J.O.183-036     | Disassemble conc. for inspection.                    |
| 3-6-83  | Liq. Radwaste  | "B" Concentrator J.O.183-036A    | Repair "recycle in" nozzle.                          |
| 3-7-83  | Liq. Radwaste  | "B" Concentrator J.O.183-040     | P.T. piping for cracks                               |
| 3-7-83  | Closed C.W.    | "A" TBSCCW HX. J.O.183-041       | Plug leaking tubes                                   |
| 3-27-83 | Feedwater Sys. | 1-FW-11B Valve J.O.183-051       | Disassemble, inspect & repair.                       |
| 3-27-83 | Misc.          | Snubber HSS-6A J.O.183-053       | Remove, disassemble & inspect & repair as necessary. |
| 3-27-83 | Main Steam     | MSIV-2D J.O.183-054              | Disassemble the operator repair & reassemble.        |
| 3-29-83 | Main Steam     | 1-MS-3A J.O.183-058              | Verify torque readings base to top-works assembly.   |
| 3-29-83 | Misc.          | Drywell Airlock Door J.O.183-059 | Replace gasket on outer door.                        |
| 3-7-83  | Ser. Wtr. Sys. | "A" R.B.C.C.W.HX. J.O.183-042    | Plug tube leaks.                                     |

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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH June 1983

| DATE    | SYSTEM                  | COMPONENT                        | MAINTENANCE ACTION  |
|---------|-------------------------|----------------------------------|---|
| 4-5-83  | Diesel Gen.             | Water Jacket J.O.183-070         | Remove & reinstall water jacket cooler heads.                     |
| 4-5-83  | Liq. Radwaste           | 1-L-23 J.O.183-071               | Disassemble, inspect, repair as necessary.                        |
| 4-8-83  | CRD                     | Accumulator J.O.183-072          | Change accumulator.   |
| 4-15-83 | Fire Prot.              | Alarm Wire J.O.183-077           | Repair fire wire in control cubicle in gas turbine.               |
| 4-26-83 | C.C. Water              | "B" T.B.S.C.C.W.HX. J.O.183-030A | Remove SCCW return, shell vent & shell relief for sheet repairs.  |
| 4-26-83 | C.C. Water              | "B" T.B.S.C.C.W.HX. J.O.183-030B | Repair HX. cutoff & reweld piping                                 |
| 4-27-83 | Liq. Radwaste           | "B" Concentrator J.O.183-085     | Repair sample line.   |
| 4-30-83 | Liq. Radwaste           | "A" Concentrator J.O.183-087     | Machine replacement steam inlet flange & install.                 |
| 4-25-83 | Nuclear Instrumentation | SRM Pulse Preamplifier           | Repair Spare SRM Pulse Preamplifier Mod. 112C2276G1 Ser 6,337,501 |
| 5-2-83  | C.C. Water              | "A" T.B.S.C.C.W.HX. J.O.183-088  | Repair tube leaks.  |

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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH June 1983

| DATE    | SYSTEM        | COMPONENT                         | MAINTENANCE ACTION                        |
|---------|---------------|-----------------------------------|---|
| 5-4-83  | Liq. Radwaste | "A" Concentrator J.O.183-079      | Remove demister inspect, repair & replace |
| 5-11-83 | Misc.         | Solid Rad. Flood Gate J.O.183-078 | Replace missing gasket.                   |
| 5-17-83 | Gas Turbine   | Ignition Plugs J.O.183-101        | Test ignition plugs.                      |
| 5-18-83 | Gas Turbine   | Fuel Pump J.O.183-063             | North fuel FWD. pump - repair             |
| 5-18-83 | Gas Turbine   | Ignition Plugs J.O.183-103        | Replaced ignition plugs.                  |
| 5-24-83 | Liq. Radwaste | W.C. Pump J.O.183-082A            | Replace inlet & outlet pump flanges.      |
| 5-27-83 | Liq. Radwaste | W. C. Pump J.O.183-082            | Repair leak in pump casing.               |

REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 1
  
2. Scheduled date for next refueling shutdown: June 1984
  
3. Schedule date for restart following refueling: August 1984
  
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 licensing action and supporting information:  
Spring 1984
  
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:  
200 "Retrofit" 8 x 8 fuel assemblies are scheduled for insertion in Cycle 10 (Reload 9)
  
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
(a) In Core: 580 (b) 1146
  
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:  
1986, Spent Fuel Pool, full core off load capability is reached.  
1991, Core Full, spent fuel pool contains 2120 bundles

# NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY  
THE HARTFORD ELECTRIC LIGHT COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
HOLYOKE WATER POWER COMPANY  
NORTHEAST UTILITIES SERVICE COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

P.O. BOX 270  
HARTFORD, CONNECTICUT 06101  
(203) 666-6911

July 14, 1983  
MP-5221

Director Office of Management Information and Program Control  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Reference: Provisional License DPR-21  
Docket No. 50-245

Dear Sir:

In accordance with Millstone Unit 1 Technical Specification  
6.9.1.6, the following monthly operating data report for Millstone  
Unit 1 is enclosed. One additional copy of the report is enclosed.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

A handwritten signature in cursive script, appearing to read 'E. J. Mroczka'.

E. J. Mroczka  
Station Superintendent  
Millstone Nuclear Power Station

EJM/GRH:jlc

Enclosures: ( )

cc: Director, Office of Inspection and Enforcement, Region I

Director, Office of Inspection and Enforcement, Washington, D. C. (10)

U. S. Nuclear Regulatory Commission, c/o Document Management  
Branch, Washington, D.C. 20555

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