

**OPERATING DATA REPORT**

DOCKET NO. 50-336  
 DATE 5-5-82  
 COMPLETED BY J. Parillo  
 TELEPHONE (203) 447-1791  
 Ext. 4419

OPERATING STATUS

1. Unit Name: Millstone 2  
 2. Reporting Period: April 1982  
 3. Licensed Thermal Power (MW<sub>t</sub>): 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:  
NA  
NA  
 9. Power Level To Which Restricted, If Any (Net MWe): NA  
 10. Reasons For Restrictions, If Any: NA

Notes Items 21 and 22 are computed using a weighted average. Unit operated at 2560 MW<sub>t</sub> prior to uprating to its current 2700MW<sub>t</sub> power level.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	719	2879	55,631
12. Number Of Hours Reactor Was Critical	680.4	1164.4	39,751.7
13. Reactor Reserve Shutdown Hours	72.6	72.6	2149.5
14. Hours Generator On-Line	612.4	985.4	37,986.9
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	1,570,359	2,379,293.7	94,795,246
17. Gross Electrical Energy Generated (MWH)	515,465.5	781,115.5	30,782,613
18. Net Electrical Energy Generated (MWH)	493,599.3	735,458.3*	29,482,690*
19. Unit Service Factor	85.2	34.2	68.3
20. Unit Availability Factor	85.2	34.2	69.1
21. Unit Capacity Factor (Using MDC Net)	79.4	29.6	63.7
22. Unit Capacity Factor (Using DER Net)	78.9	29.4	62.7
23. Unit Forced Outage Rate	14.8	11.7	20.5
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	NA		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA  
 26. Units In Test Status (Prior to Commercial Operation):
- |                      | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY  | NA       | NA       |
| INITIAL ELECTRICITY  | NA       | NA       |
| COMMERCIAL OPERATION | NA       | NA       |

\* Corrected to reflect minor math error in March 1982 report.

8206 010300

AVERAGE DAILY UNIT POWER LEVEL

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MONTH April 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	856	17	604
2	822	18	0 (-28)
3	855	19	315
4	427	20	852
5	0 (-28)	21	855
6	463	22	857
7	210	23	857
8	42	24	857
9	685	25	820
10	855	26	855
11	856	27	855
12	859	28	855
13	858	29	852
14	857	30	834
15	855	31	-
16	856		

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

REPORT MONTH April 1982

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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
3	820402	S	18	B	NA	NA	NA	NA	Reduced Power to 95% to put Third Service Water Pump on line.
4	820404	F	27.7	A	3	NA	HF	Filter	Tripped from 100% power due to seaweed clogging the water intake screens. Cleared seaweed from screens and commenced startup via normal operating procedures.
5	820404	F		A	3	NA	IA	CKTBRK	On recovery from 4/4/82 Scram, tripped on startup from a Trip Circuit Breaker being open despite a closed signal. Repaired TCB closure mechanism and resumed startup procedures.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1982

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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
6	820405	F	7.3	H	3	NA	IA	INSTRUM	Tripped on Steam Generator Low Level from 15% power following recovery from 4/4/82 trip.
7	820407	F	34.0	A	1	NA	HB	HTEXCH	Initiated Manual Shutdown from 100% Power due to partially failed Manway gasket on 3B Feedwater Heater. Removed and replaced all such gaskets on all Feedwater Heaters containing similar gasket material and commenced normal startup operations.
8	820417	F	37.9	A	3	NA	PA	BLOWER	Trip from 100% power on loss of Instrument Air. Air leak was repaired and normal startup operations were commenced.

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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
9	820429	F	8.0	B	NA	NA	NA	NA	Reduced Power to 95% power to plug Condenser Tube Leak in "C" Condenser Bay.

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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month April 1982

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
April 2, 1982	Reactor Protection Sys.	Wide Range Channel "C"	Replace defective period circuit card A-7
April 4, 1982	Control Element Drive	Trip Circuit Breaker - 5	Repair closure mechanism
April 6, 1982	120 Volt vital Regulated Instrument Air	Inverter 1	Replace choke in CVT Harmonic Filter
April 7, 1982	Main Steam	Feedwater Heaters	Replace Manway gasket material in both feedwater heater strings for the 2, 3, 4, 5 and 6 feedwater heaters and drains coolers.
April 12, 1982	Boric Acid System	Boric Acid Pump "A"	Replace Mechanical Seal
April 14, 1982	Service Water	"B" RBCCW Heat Exchanger	Weld repair outlet pipe & reinstall
April 19, 1982	Boric Acid System	2-CH-514	Repair burned out valve motor
April 21, 1982	Auxiliary Building	Switchgear Room Vent	Install fire protection foam around vent
April 28, 1982	Service Water	"A" RBCCW Heat Exchanger	Weld repair outlet pipe & reinstall
April 30, 1982	Main Steam	Valves 2-MS-64A & 2-MS-64B	Temporary repair of steam leaks

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown:  
Commenced refuel outage 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.