

Docket No. 50-245  
B16006

Attachment 1

Millstone Unit No. 1

Facility Operating License No. DPR-21

Monthly Operating Report

November 1996

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## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-245

UNIT: Millstone Unit No. 1

DATE: 11/12/96

COMPLETED BY: G. Newburgh

TELEPHONE: (860) 444-5730

MONTH: October 1996

DAY    AVG. DAILY POWER LEVEL  
         (MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY    AVG. DAILY POWER LEVEL  
         (MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<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.

## REFUELING INFORMATION REQUEST

1. Name of the facility: Millstone Unit No. 1
2. Scheduled date for next refueling outage: To be determined
3. Scheduled date for restart following refueling: To be determined
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
Yes
5. Scheduled date(s) for submitting licensing action and supporting information:  
To be determined
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:  
184 GE-11 fuel assemblies
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
In Core: (a) 0 In Spent Fuel Pool: (b) 3068 Unconsolidated
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:  
Present Capacity: Maximum 3229 fuel assembly locations
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming present license capacity:  
1999/2000, spent fuel pool full, core offload capacity is reached

# OPERATING DATA REPORT

UNIT NAME Millstone Unit 1  
DATE 11/12/96  
COMPLETED BY G. Newburgh  
TELEPHONE (860) 444-5730

## OPERATING STATUS

1. Docket Number 50-245  
2. Reporting Period October 1996  
3. Utility Contact G. Newburgh  
4. Licensed Thermal Power (MWt): 2011  
5. Nameplate Rating (Gross MWe): 662  
6. Design Electrical Rating (Net MWe): 660  
7. Maximum Dependable Capacity (Gross MWe): 670  
8. Maximum Dependable Capacity (Net MWe): 641  
9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons:  
N/A

### Notes

(1) EDT to EST

(2) Millstone Unit No. 1 is redefining the nature of its extended shutdown. Cumulative values will be calculated and submitted in next month's operating report.

10. Power Level To Which Restricted, If any (Net MWe): 0  
11. Reasons For Restrictions, If Any: NRC Category III Facility; NRC Confirmatory Order requiring implementation of an independent corrective action verification program; NRC Order requiring a third-party review of the employee concerns program at Millstone Station; design basis verification response pursuant to 10CFR50.54(f).

	This Month	Yr.-To-Date	Cumulative
12. Hours In Reporting Period	(1) 745.0	7320.0	226536.0
13. Number Of Hours Reactor Was Critical	0.0	0.0	170529.9
14. Reactor Reserve Shutdown Hours	0.0	0.0	3283.3
15. Hours Generator On-Line	0.0	0.0	166560.7
16. Unit Reserve Shutdown Hours	0.0	0.0	93.7
17. Gross Thermal Energy Generated (MWH)	0.0	0.0	314372827.0
18. Gross Electrical Energy Generated (MWH)	0.0	0.0	105938737.0
19. Net Electrical Energy Generated (MWH)	-1943.0	-22056.0	101047895.0
20. Unit Service Factor	0.0	0.0	73.5
21. Unit Availability Factor	0.0	0.0	73.6
22. Unit Capacity Factor (Using MDC Net)	-0.4	-0.4	68.2
23. Unit Capacity Factor (Using DER Net)	-0.4	-0.5	67.6
24. Unit Forced Outage Rate	100.0	Note (2)	Note (2)
25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Shutdown at time of this report			

26. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: To be determined  
27. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast	Achieved
N/A	N/A
N/A	N/A
N/A	N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-245

UNIT NAME Millstone Unit 1DATE 11/12/96COMPLETED BY G. NewburghTELEPHONE (203)-444-5730REPORT MONTH: October 1996

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
95-09K	951104	S / F	745	C / D	4	N/A	N/A	N/A	Scheduled : RFO15.  Forced : NRC Category III facility; NRC Confirmatory Order requiring independent corrective action verification; NRC Order requiring third- party review of Millstone Station employee concerns program; design basis verification for response to NRC pursuant to 10CFR50.54(f).

<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 - Continued from Previous Month  
5 - Power Reduction (Duration = 0)  
6 - Other (Explain)

<sup>4</sup> IEEE Standard 805-1984,  
"Recommended Practices  
for System Identification in  
Nuclear Power Plants and  
Related Facilities"

<sup>5</sup> IEEE Standard 803A-1983,  
"Recommended Practices  
for Unique identification in  
Power Plants and Related  
Facilities - Component  
Function Identifiers"

Docket No. 50-336  
B16006

Attachment 2

Millstone Unit No. 2

Facility Operating License No. DPR-65

Monthly Operating Report

November 1996

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336

UNIT Millstone Unit No.2

DATE 11/1/96

COMPLETED BY S. Stark

TELEPHONE (860) 447-1791

EXT 4419

MONTH: October 1996

DAY	AVG. DAILY POWER LEVEL (MWe-Net)
-----	-------------------------------------

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVG. DAILY POWER LEVEL (MWe-Net)
-----	-------------------------------------

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

## 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.

## REFUELING INFORMATION REQUEST

1. Name of the facility: Millstone Unit No. 2
2. Scheduled date for next refueling outage: To be determined
3. Scheduled date for restart following refueling: To be determined
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
To be determined
5. Scheduled date(s) for submitting licensing action and supporting information:  
To be determined
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:  
To be determined
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
In Core: (a) 217 In Spent Fuel Pool: (b) 868

NOTE: These numbers represent the total Fuel Assemblies and Consolidated Fuel Storage Boxes (3 total containing the fuel rods from 6 fuel assemblies) in these two (2) Item Control Areas.

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:  
Present storage capacity: 1306 storage locations
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming present license capacity:  
2000. Spent Fuel Pool Full. Core offload capacity is reached.  
2004. Core Full. Spent Fuel Pool Full.



# OPERATING DATA REPORT

UNIT NAME Millstone Unit 2  
DATE 11/1/1996  
COMPLETED BY S. Stark  
TELEPHONE (860) 447-1791  
EXT 4419

## OPERATING STATUS

1. Docket Number 50-336  
2. Reporting Period October 1996  
3. Utility Contact S. Stark  
4. Licensed Thermal Power (MWt): 2700  
5. Nameplate Rating (Gross MWe): 909  
6. Design Electrical Rating (Net MWe): 870  
7. Maximum Dependable Capacity (Gross MWe): 901.63  
8. Maximum Dependable Capacity(Net MWe): 870.63  
9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons:  
N/A

### Notes

(1) EDT to EST

(2) Millstone Unit No. 2 is redefining the nature of its extended shutdown. Cumulative values will be calculated and submitted in next month's operating report.

(3) Cumulative weighted averages. Unit operated at 2560 MWTH prior to its uprating to the current 2700 MWTH power level.

10. Power Level To Which Restricted, If any (Net MWe): 0  
1. Reasons For Restrictions, If Any: NRC Category III Facility; NRC Confirmatory Order requiring implementation of an independent corrective action verification program; NRC Order requiring a third-party review of the employee concerns program at Millstone Station; design basis verification response pursuant to 10CFR50.54(f).

	This Month	Yr.-To-Date	Cumulative
12. Hours In Reporting Period	(1) 745.0	7320.0	182784.0
13. Number Of Hours Reactor Was Critical	0.0	1223.6	121911.7
14. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
15. Hours Generator On-Line	0.0	1222.1	116611.9
16. Unit Reserve Shutdown Hours	0.0	0.0	468.2
17. Gross Thermal Energy Generated (MWH)	0.0	3240377.0	300862506.4
18. Gross Electrical Energy Generated (MWH)	0.0	1085422.5	98709460.0
19. Net Electrical Energy Generated (MWH)	-2243.6	1026147.0	94645593.1
20. Unit Service Factor	0.0	16.7	63.8
21. Unit Availability Factor	0.0	16.7	64.1
22. Unit Capacity Factor (Using MDC Net)	0.0	(3) 16.1	(3) 60.5
23. Unit Capacity Factor (Using DER Net)	0.0	(3) 16.1	(3) 59.6
24. Unit Forced Outage Rate	100.0	Note (2)	Note (2)
25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Shutdown at time of this report			

26. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: To be determined  
27. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast	Achieved
N/A	N/A
N/A	N/A
N/A	N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-336  
 UNIT NAME Millstone Unit 2  
 DATE 11/1/96  
 COMPLETED BY S. Stark  
 TELEPHONE (860) 447-1791  
 EXT 4419

REPORT MONTH: October 1996

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
96-03	960226	S / F	745	B / D	4	N/A	N/A	N/A	Scheduled : Continued mid cycle surveillance testing outage from previous month.  Forced : NRC Category III facility; NRC Confirmatory Order requiring independent corrective action verification; NRC Order requiring third- party review of Millstone Station employee concerns program; design basis verification for response to NRC pursuant to 10CFR50.54(f).

<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 - Continued from Previous Month  
 5 - Power Reduction (Duration = 0)  
 6 - Other (Explain)

<sup>4</sup>IEEE Standard 805-1984,  
 "Recommended Practices  
 for System Identification in  
 Nuclear Power Plants and  
 Related Facilities"

<sup>5</sup>IEEE Standard 803A-1983,  
 "Recommended Practices  
 for Unique identification in  
 Power Plants and Related  
 Facilities - Component  
 Function Identifiers"

Docket No. 50-423  
B16006

Attachment 3

Millstone Unit No. 3

Facility Operating License No. NPF-49

Monthly Operating Report

November 1996

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-423  
UNIT Millstone Unit 3  
DATE 11/01/96  
COMPLETED BY I. R. Hudson  
TELEPHONE (860) 444-5400

MONTH: October 1996

DAY AVG. DAILY POWER LEVEL  
(MWe-Net)

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY AVG. DAILY POWER LEVEL  
(MWe-Net)

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

## 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.

REFUELING INFORMATION REQUEST

October 1996

1. Name of the facility: Millstone Unit No. 3
2. Scheduled date for next refueling outage: To be determined
3. Scheduled date for restart following refueling: To be determined
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
N/A.
5. Scheduled date(s) for submitting licensing action and supporting information:  
None.
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:  
None.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
In Core: (a) 193 In Spent Fuel Pool: (b) 416
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:  
Present storage capacity: 756.  
No increase requested.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming present license capacity:  
End of Cycle 7.

# OPERATING DATA REPORT

UNIT NAME Millstone Unit 3  
 DATE 11/01/96  
 COMPLETED BY I. R. Hudson  
 TELEPHONE (860) 444-5400

## OPERATING STATUS

1. Docket Number 50-423  
 2. Reporting Period October 1996  
 3. Utility Contact I. R. Hudson  
 4. Licensed Thermal Power (MWt): 3411  
 5. Nameplate Rating (Gross MWe): 1253  
 6. Design Electrical Rating (Net MWe): 1153.6  
 7. Maximum Dependable Capacity (Gross MWe): 1184.20  
 8. Maximum Dependable Capacity (Net MWe): 1137.00  
 9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons:  
 N/A

### Notes

(1) EDT to EST

10. Power Level To Which Restricted, If any (Net MWe): 0  
 11. Reasons For Restrictions, If Any: NRC Category III Facility; NRC Confirmatory Order requiring implementation of an independent corrective action verification program; NRC Order requiring a third-party review of the employee concerns program at Millstone Station; design basis verification response pursuant to 10CFR50.54(f).

	This Month	Yr.-To-Date	Cumulative
12. Hours In Reporting Period	(1)745	7320.0	92280.0
13. Number Of Hours Reactor Was Critical	0.0	2158.8	67080.1
14. Reactor Reserve Shutdown Hours	0.0	0.0	6525.8
15. Hours Generator On-Line	0.0	2156.7	65912.4
16. Unit Reserve Shutdown Hours	0.0	0.0	0.0
17. Gross Thermal Energy Generated (MWH)	0.0	7317189.0	216937728.1
18. Gross Electrical Energy Generated (MWH)	0.0	2577448.5	74905103.1
19. Net Electrical Energy Generated (MWH)	-5850.7	2436080.7	71306505.9
20. Unit Service Factor	0.0	29.5	71.4
21. Unit Availability Factor	0.0	29.5	71.4
22. Unit Capacity Factor (Using MDC Net)	0.0	29.3	67.9
23. Unit Capacity Factor (Using DER Net)	0.0	28.8	67.0
24. Unit Forced Outage Rate	100.0	70.5	19.0
25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Shutdown at time of this report.			

26. If Unit Shutdown At End Of Report Period, Estimated Date of Startup:  
 27. Units In Test Status (Prior to Commercial Operation):

To be determined

	Forecast	Achieved
INITIAL CRITICALITY	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-423  
 UNIT NAME Millstone Unit 3  
 DATE 11-01-96  
 COMPLETED BY Irene R. Hudson  
 TELEPHONE (860) 444-5400

REPORT MONTH: October 1996

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
96-01	960330	F	745	B / D	4	96-006-00	BA	ISV	<p>Valves inoperable due to original design deficiencies, in that an improper valve design did not meet GDC 57. Corrective action is to install vendor kit to modify valve disk to meet GDC 57.</p> <p>Continued shutdown : NRC Category III facility; NRC Confirmatory Order requiring independent corrective action verification; NRC Order requiring third-party review of Millstone Station employee concerns program; design basis verification for response to NRC pursuant to 10CFR50.54(f).</p>

<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 - Continued from Previous Month  
 5 - Power Reduction (Duration = 0)  
 6 - Other (Explain)

<sup>4</sup>IEEE Standard 805-1984,  
 "Recommended Practices  
 for System Identification in  
 Nuclear Power Plants and  
 Related Facilities"

<sup>5</sup>IEEE Standard 803A-1983,  
 "Recommended Practices  
 for Unique identification in  
 Power Plants and Related  
 Facilities - Component  
 Function Identifiers"