



**Northeast  
Nuclear Energy**

Rope Ferry Rd. (Route 156), Waterford, CT 06385

Millstone Nuclear Power Station  
Northeast Nuclear Energy Company  
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The Northeast Utilities System

**OCT 13 2000**  
Docket Nos. 50-336  
50-423  
B18239

Re: 10 CFR 50.71(a)

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Millstone Nuclear Power Station, Unit Nos. 2 and 3  
Facility Operating License Nos. DPR-65 and NPF-49  
Monthly Operating Reports

In accordance with the reporting requirements of Technical Specification 6.9.1.7 for Millstone Unit No. 2 and Technical Specification 6.9.1.5 for Millstone Unit No. 3, enclosed are the Monthly Operating Reports for the month of September 2000. Attachment 1 contains the Millstone Unit No. 2 Monthly Operating Report and Attachment 2 contains the Millstone Unit No. 3 Monthly Operating Report.

There are no regulatory commitments contained within this letter.

Should you have any questions regarding this submittal, please contact Mr. David W. Dodson at (860) 447- 1791, extension 2346.

Very truly yours,

**NORTHEAST NUCLEAR ENERGY COMPANY**

  
C. J. Schwarz  
Station Director

Attachments (2)

cc: H. J. Miller, Region I Administrator  
J. I. Zimmerman, NRC Project Manager, Millstone Unit No. 2  
S. R. Jones, Senior Resident Inspector, Millstone Unit No. 2  
V. Nerses, NRC Senior Project Manager, Millstone Unit No. 3  
A. C. Cerne, Senior Resident Inspector, Millstone Unit No. 3

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Attachment 1

Millstone Nuclear Power Station, Unit No. 2

Facility Operating License No. DPR-65  
Monthly Operating Report  
September 2000

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-336  
UNIT: Millstone Unit 2  
DATE: 10/02/00  
COMPLETED BY: S. Stark  
TELEPHONE: (860) 447-1791  
EXT: 4419

MONTH: September 2000

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	865	17	863
2	865	18	863
3	866	19	864
4	866	20	859
5	866	21	862
6	866	22	863
7	865	23	838
8	863	24	863
9	863	25	865
10	863	26	866
11	862	27	866
12	861	28	866
13	860	29	861
14	861	30	684
15	862	31	NA
16	863		

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.

OPERATING DATA REPORT

UNIT NAME: Millstone Unit 2  
 DATE: 10/02/00  
 COMPLETED BY: S. Stark  
 TELEPHONE: (860) 447-1791  
 EXT: 4419

OPERATING STATUS

1. Docket Number	50-336	Notes: Items 22 and 23 cumulative are weighted averages. Unit operated at 2560 MWTH prior to its uprating to its current 2700 MWTH power level.
2. Reporting Period	September 2000	
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):	873.13	
9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons: N/A		

10. Power Level To Which Restricted, If any (Net MWe): N/A  
 11. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-To-Date	Cumulative
12. Hours In Reporting Period	720.0	6575.0	217103.0
13. Number Of Hours Reactor Was Critical	720.0	5244.3	132601.9
14. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
15. Hours Generator On-Line	720.0	5145.7	127069.0
16. Unit Reserve Shutdown Hours	0.0	0.0	468.2
17. Gross Thermal Energy Generated (MWH)	1923421.0	13522873.0	328253749.8
18. Gross Electrical Energy Generated (MWH)	639295.5	4518648.0	107838692.0
19. Net Electrical Energy Generated (MWH)	616792.5	4345877.2	103355479.3
20. Unit Service Factor	100.0	78.3	58.5
21. Unit Availability Factor	100.0	78.3	58.7
22. Unit Capacity Factor (Using MDC Net)	98.1	75.7	55.4
23. Unit Capacity Factor (Using DER Net)	98.5	76.0	54.8
24. Unit Forced Outage Rate	0.0	8.4	28.0
25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A			

26. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: N/A

27. Units In Test Status (Prior to Commercial Operation):

	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: 50-336  
 UNIT NAME: Millstone Unit 2  
 DATE: 10/02/00  
 COMPLETED BY: S. Stark  
 TELEPHONE: (860) 447-1791  
 EXT: 4419

REPORT MONTH: September 2000

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
00-06	09/29/00	F	0.0	A	5	N/A	SM	LCV	During Main Turbine Combined Intermediate valve testing, a secondary plant transient occurred due to feedwater heater drain level control problems. Operators reduced power to 80% and restored feedwater heater to normal configuration.

<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"

REFUELING INFORMATION REQUEST

1. Name of the facility: Millstone Unit 2
2. Scheduled date for next refueling outage: February 2002
3. Scheduled date for restart following refueling: March 2002
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
Yes. Two (2) technical specification changes have been identified at this time.
5. Scheduled date(s) for submitting licensing action and supporting information:  
Both technical specification changes will be submitted in the first quarter of 2001.
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 at this time
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) 940

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 licensed 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:  
The refueling outage scheduled for 2002 is the last outage which can be performed without losing full core discharge capability, recognizing that there are constraints on utilizing certain cell locations as storage locations. The outage scheduled for 2006 is the last outage which can accommodate a reload discharge, assuming the present licensed capacity of the spent fuel pool and recognizing that there are constraints on utilizing certain cell locations as storage locations.

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Attachment 2

Millstone Nuclear Power Station, Unit No. 3

Facility Operating License No. NPF-49  
Monthly Operating Report  
September 2000

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-423  
UNIT: Millstone Unit 3  
DATE: 10/02/00  
COMPLETED BY: K. W. Emmons  
TELEPHONE: (860) 447-1791  
EXT: 6572

MONTH: September 2000

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	1146	17	1147
2	1140	18	1145
3	1146	19	1145
4	1143	20	1144
5	1142	21	1144
6	1141	22	1147
7	1141	23	1140
8	1143	24	1147
9	1142	25	1142
10	1143	26	1151
11	1139	27	1149
12	1139	28	1150
13	1138	29	1150
14	1140	30	1148
15	1142	31	NA
16	1143		

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.

OPERATING DATA REPORT

UNIT NAME: Millstone Unit 3  
DATE: 10/02/00  
COMPLETED BY: K. W. Emmons  
TELEPHONE: (860) 447-1791  
EXT: 6572

OPERATING STATUS

1. Docket Number 50-423
2. Reporting Period September 2000
3. Utility Contact K. Emmons
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): 1184.2
8. Maximum Dependable Capacity (Net MWe): 1154.0
9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons: N/A
10. Power Level To Which Restricted, If any (Net MWe): N/A
11. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-To-Date	Cumulative
12. Hours In Reporting Period	720.0	6575.0	126599.0
13. Number Of Hours Reactor Was Critical	720.0	6575.0	84724.0
14. Reactor Reserve Shutdown Hours	0.0	0.0	6565.0
15. Hours Generator On-Line	720.0	6575.0	83220.5
16. Unit Reserve Shutdown Hours	0.0	0.0	0.0
17. Gross Thermal Energy Generated (MWH)	2455244.0	22409974.0	274394387.1
18. Gross Electrical Energy Generated (MWH)	857622.0	7892401.5	95007122.1
19. Net Electrical Energy Generated (MWH)	823609.1	7580455.9	90380340.3
20. Unit Service Factor	100.0	100.0	65.7
21. Unit Availability Factor	100.0	100.0	65.7
22. Unit Capacity Factor (Using MDC Net)	99.1	99.9	62.7
23. Unit Capacity Factor (Using DER Net)	99.2	99.9	61.9
24. Unit Forced Outage Rate	0.0	0.0	27.2
25. Unit Forced Outage Hours	0.0	0.0	31055.7
26. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 3R7 is scheduled to begin on February 3, 2001, for a 39 day duration.			
27. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: N/A			
28. Units In Test Status (Prior to Commercial Operation):			

	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: 10/02/00  
 COMPLETED BY: K. W. Emmons  
 TELEPHONE: (860) 447-1791  
 EXT: 6572

REPORT MONTH: September 2000

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
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There were no reportable  
 power reductions during the  
 month of September.

<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"

REFUELING INFORMATION REQUEST

1. Name of the facility: Millstone Unit 3
2. Scheduled date for next refueling outage: February, 2001
3. Scheduled date for restart following refueling: March, 2001
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
Yes. Five (5) technical specification changes and one license amendment involving a USQ have been identified at this time.
5. Scheduled date(s) for submitting licensing action and supporting information: All (5) technical specification changes and the USQ have been submitted.
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 at this time
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) 497
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 storage locations  
Increase in licensed storage capacity planned for total of 1860 locations.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming present license capacity:  
The outage completed in 1999 is the last outage that could be performed without losing full core discharge capability. The outage scheduled for 2004 is the last outage which can accommodate a reload discharge assuming the present licensed capacity of the spent fuel pool.