



**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

MAY 13 2000

Docket Nos. 50-336  
50-423  
B18114

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 NFP-49  
Monthly Operating Reports

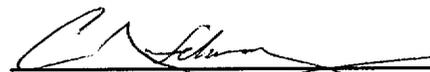
In accordance with the reporting requirements of Technical Specification 6.9.1.7 for Millstone Unit No. 2 and Technical Specification 6.9.1.5 for Millstone Unit No. 3, enclosed are the monthly operating reports for the month of April 2000. Attachment 1 contains the Millstone Unit No. 2 monthly operating 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. Ravi G. Joshi at (860) 447-1791, extension 2080.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

  
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C. J. Schwarz  
Station Director

Attachments (2)

cc: see next page

cc: H. J. Miller, Region I Administrator  
J. I. Zimmerman, NRC Project Manager, Millstone Unit No. 2  
D. P. Beaulieu, 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  
April 2000

May 2000

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-336  
UNIT: Millstone Unit 2  
DATE: 05/01/00  
COMPLETED BY: S. Stark  
TELEPHONE: (860) 447-1791  
EXT: 4419

MONTH: April 2000

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	874	17	874
2	837	18	875
3	874	19	875
4	874	20	875
5	873	21	759
6	874	22	0
7	875	23	0
8	875	24	0
9	874	25	0
10	873	26	0
11	873	27	0
12	873	28	0
13	874	29	0
14	873	30	0
15	874	31	0
16	876		

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: 05/01/00  
COMPLETED BY: S. Stark  
TELEPHONE: (860) 447-1791  
EXT: 4419

OPERATING STATUS

1. Docket Number	50-336	
2. Reporting Period	April 2000	Notes: Items 22 and 23
3. Utility Contact	S. Stark	cumulative are weighted
4. Licensed Thermal Power (MWt):	2700	averages. Unit operated at
5. Nameplate Rating (Gross MWe):	909	2560 MWTH prior to its
6. Design Electrical Rating (Net MWe):	870	uprating to its current
7. Maximum Dependable Capacity (Gross MWe):	901.63	2700 MWTH power level.
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	719.0	2903.0	213431.0
13. Number Of Hours Reactor Was Critical	530.1	2302.1	129659.7
14. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
15. Hours Generator On-Line	526.6	2260.3	124183.6
16. Unit Reserve Shutdown Hours	0.0	0.0	468.2
17. Gross Thermal Energy Generated (MWH)	1349539.0	5947208.0	320678084.8
18. Gross Electrical Energy Generated (MWH)	452305.5	1994278.5	105314322.5
19. Net Electrical Energy Generated (MWH)	435151.2	1916908.7	100928239.8
20. Unit Service Factor	73.2	77.9	58.2
21. Unit Availability Factor	73.2	77.9	58.4
22. Unit Capacity Factor (Using MDC Net)	69.3	75.6	55.1
23. Unit Capacity Factor (Using DER Net)	69.6	75.9	54.5
24. Unit Forced Outage Rate	0.0	16.6	28.4
25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling Outage 13 commenced on April 22, 2000, and is scheduled for 45 days.</u>			
26. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: <u>June 6, 2000 (assuming a 45 day outage).</u>			
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: 05/01/00  
 COMPLETED BY: S. Stark  
 TELEPHONE: (860) 447-1791  
 EXT: 4419

REPORT MONTH: April 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
00-04	04/22/00	S	192.4	C	1	N/A	N/A	N/A	The Unit was shutdown from 100% power on April 22, 2000, for refueling.

<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: Commenced refueling 4/22/00.
3. Scheduled date for restart following refueling: June 6, 2000, (assuming a 45 day outage)
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
Six technical specification change requests and one relief request have been identified at this time.
5. Scheduled date(s) for submitting licensing action and supporting information:  
Five technical specification changes and one relief request have been approved and implemented. One technical specification change is still under NRC review.
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:  
2003, Spent Fuel Pool Full, Core offload capacity is reached (recognizing that there are physical constraints on accessing some of the rack cell locations for fuel assembly storage purposes)  
2008, Core Full, Spent Fuel Pool Full.

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Attachment 2

Millstone Nuclear Power Station, Unit No. 3

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

May 2000

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-423  
UNIT: Millstone Unit 3  
DATE: 05/06/00  
COMPLETED BY: K. W. Emmons  
TELEPHONE: (860) 447-1791  
EXT: 6572

MONTH: April 2000

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	1160	17	1161
2	1161	18	1158
3	1160	19	1159
4	1161	20	1162
5	1160	21	1160
6	1161	22	1160
7	1161	23	1158
8	1160	24	1162
9	1158	25	1162
10	1159	26	1159
11	1161	27	1160
12	1160	28	1160
13	1160	29	1161
14	1160	30	1155
15	1161	31	NA
16	1158		

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: 05/06/00  
 COMPLETED BY: K. W. Emmons  
 TELEPHONE: (860) 447-1791  
 EXT: 6572

OPERATING STATUS

- 1. Docket Number 50-423
- 2. Reporting Period April 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	719.0	2903.0	122927.0
13. Number Of Hours Reactor Was Critical	719.0	2903.0	81052.0
14. Reactor Reserve Shutdown Hours	0.0	0.0	6565.0
15. Hours Generator On-Line	719.0	2903.0	79548.5
16. Unit Reserve Shutdown Hours	0.0	0.0	0.0
17. Gross Thermal Energy Generated (MWH)	2451733.0	9895237.0	261879650.1
18. Gross Electrical Energy Generated (MWH)	868174.5	3502395.0	90617115.6
19. Net Electrical Energy Generated (MWH)	834013.7	3364456.1	86164340.5
20. Unit Service Factor	100.0	100.0	64.7
21. Unit Availability Factor	100.0	100.0	64.7
22. Unit Capacity Factor (Using MDC Net)	100.5	100.4	61.5
23. Unit Capacity Factor (Using DER Net)	100.6	100.5	60.8
24. Unit Forced Outage Rate	0.0	0.0	28.1
25. Unit Forced Outage Hours	0.0	0.0	31,055.7
26. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): No shutdowns scheduled			
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: 05/06/00  
 COMPLETED BY: K. W. Emmons  
 TELEPHONE: (860) 447-1791  
 EXT: 6572

REPORT MONTH: April 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 April.

<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. Four Technical Specifications have been identified at this time.
5. Scheduled date(s) for submitting licensing action and supporting information: Two (2)  
Technical Specification change requests have been submitted. The remaining requests will be submitted prior to 6/15/00.
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:  
2001, Spent Fuel Pool Full, Core offload capacity is reached.