



**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

JUL 14 2000

Docket Nos. 50-336  
50-423  
B18186

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 June 2000. Attachment 1 contains the Millstone Unit No. 2 Monthly Operating Report and Attachment 2 contains the Millstone Unit No. 3 Monthly Operating Report.

In addition, Attachment 3 is a revised Millstone Unit No. 2 Operating Data Report for May 2000. The revision was necessary to correct errors in the monthly, year-to-date, and cumulative values for the number of hours the reactor was critical and to reduce the total cumulative Net Electrical Energy Generated (MWH) by 1,729 MWe-hours due to a change in interpretation as to whether or not negative values should be reported for Net Electrical Generation.

There are no regulatory commitments contained within this letter.

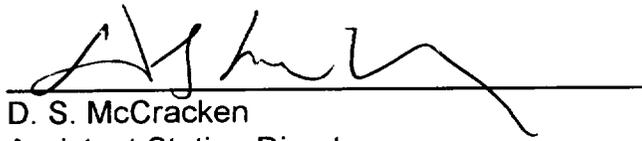
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Should you have any questions regarding this submittal, please contact Mr. David W. Dodson at (860) 447-1791, extension 2346.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

FOR: C. J. Schwarz  
Station Director

BY:   
D. S. McCracken  
Assistant Station Director

Attachments (3)

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

Docket Nos. 50-336  
50-423  
B18186

Attachment 1

Millstone Nuclear Power Station, Unit No. 2

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-336  
UNIT: Millstone Unit 2  
DATE: 07/05/00  
COMPLETED BY: S. Stark  
TELEPHONE: (860) 447-1791  
EXT: 4419

MONTH: June 2000

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	0	17	877
2	268	18	877
3	420	19	876
4	0	20	876
5	260	21	877
6	463	22	875
7	512	23	874
8	781	24	875
9	842	25	875
10	844	26	875
11	868	27	875
12	868	28	875
13	874	29	875
14	875	30	874
15	876	31	---
16	877		

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: 07/05/00  
 COMPLETED BY: S. Stark  
 TELEPHONE: (860) 447-1791  
 EXT: 4419

OPERATING STATUS

- 1. Docket Number 50-336
- 2. Reporting Period June 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

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.

	This Month	Yr.-To-Date	Cumulative
12. Hours In Reporting Period	720.0	4367.0	214895.0
13. Number Of Hours Reactor Was Critical	698.7	3036.3	130393.9
14. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
15. Hours Generator On-Line	677.4	2937.7	124861.0
16. Unit Reserve Shutdown Hours	0.0	0.0	468.2
17. Gross Thermal Energy Generated (MWH)	1645310.0	7592518.0	322323394.8
18. Gross Electrical Energy Generated (MWH)	545707.5	2539986.0	105860030.0
19. Net Electrical Energy Generated (MWH)	524032.0	2435764.4	101443637.5
20. Unit Service Factor	94.1	67.3	58.1
21. Unit Availability Factor	94.1	67.3	58.3
22. Unit Capacity Factor (Using MDC Net)	83.4	63.9	55.0
23. Unit Capacity Factor (Using DER Net)	83.7	64.1	54.4
24. Unit Forced Outage Rate	3.3	13.9	28.3
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: 07/05/00  
 COMPLETED BY: S. Stark  
 TELEPHONE: (860) 447-1791  
 EXT: 4419

REPORT MONTH: June 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	19.8	C	1	N/A	N/A	N/A	Continued refueling outage from previous month.
00-05	06/04/00	F	22.8	A	3	2000-009-00	TG	69	Reactor Trip from 65% power caused by a component failure related to the turbine-generator Power Load Unbalance test pushbutton. The Power Load Unbalance test pushbutton was replaced with an identical spare. A design change has been developed to removed the potential that a single failure in this circuit will result in a reactor trip.

<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 identified 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.

Docket Nos. 50-336  
50-423  
B18186

Attachment 2

Millstone Nuclear Power Station, Unit No. 3

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-423  
UNIT: Millstone Unit 3  
DATE: 07/06/00  
COMPLETED BY: K. W. Emmons  
TELEPHONE: (860) 447-1791  
EXT: 6572

MONTH: June 2000

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	1156	17	1154
2	1157	18	1154
3	1157	19	1155
4	1158	20	1153
5	1158	21	1152
6	1157	22	1151
7	1158	23	1149
8	1156	24	1153
9	1156	25	1151
10	1155	26	1148
11	1153	27	1153
12	1157	28	1133
13	1156	29	1147
14	1153	30	1148
15	1157	31	--
16	1154		

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: 07/06/00  
 COMPLETED BY: K. W. Emmons  
 TELEPHONE: (860) 447-1791  
 EXT: 6572

OPERATING STATUS

- 1. Docket Number 50-423
- 2. Reporting Period June 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	4367.0	124391.0
13. Number Of Hours Reactor Was Critical	720.0	4367.0	82516.0
14. Reactor Reserve Shutdown Hours	0.0	0.0	6565.0
15. Hours Generator On-Line	720.0	4367.0	81012.5
16. Unit Reserve Shutdown Hours	0.0	0.0	0.0
17. Gross Thermal Energy Generated (MWH)	2455210.0	14880284.0	266864697.1
18. Gross Electrical Energy Generated (MWH)	864480.0	5260734.0	92375454.6
19. Net Electrical Energy Generated (MWH)	830332.4	5053317.8	87853202.2
20. Unit Service Factor	100.0	100.0	65.1
21. Unit Availability Factor	100.0	100.0	65.1
22. Unit Capacity Factor (Using MDC Net)	99.9	100.3	62.0
23. Unit Capacity Factor (Using DER Net)	100.0	100.3	61.2
24. Unit Forced Outage Rate	0.0	0.0	27.7
25. Unit Forced Outage Hours	0.0	0.0	31055.7
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):		<b>Forecast</b>	<b>Achieved</b>
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: 07/06/00  
 COMPLETED BY: K. W. Emmons  
 TELEPHONE: (860) 447-1791  
 EXT: 6572

REPORT MONTH: June 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 June.

<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: Four (4) technical specification changes and the USQ have been submitted. The remaining request will be submitted prior to 8/30/00.
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:  
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.

Docket Nos. 50-336  
50-423  
B18186

Attachment 3

Millstone Nuclear Power Station, Unit No. 2

Facility Operating License No. DPR-65  
Monthly Operating Report

Revised Operating Data Report for May 2000

OPERATING DATA REPORT

UNIT NAME: Millstone Unit 2  
 DATE: 07/05/00  
 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   | May 2000 (Revised*) |   |
| 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	744.0	3647.0	214175.0
13. Number Of Hours Reactor Was Critical	35.5*	2337.6*	129695.2*
14. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
15. Hours Generator On-Line	0.0	2260.3	124183.6
16. Unit Reserve Shutdown Hours	0.0	0.0	468.2
17. Gross Thermal Energy Generated (MWH)	0.0	5947208.0	320678084.8
18. Gross Electrical Energy Generated (MWH)	0.0	1994278.5	105314322.5
19. Net Electrical Energy Generated (MWH)	-5176.3	1911732.4	100921334.5*
20. Unit Service Factor	0.0	62.0	58.0
21. Unit Availability Factor	0.0	62.0	58.2
22. Unit Capacity Factor (Using MDC Net)	0.0	60.0	54.9
23. Unit Capacity Factor (Using DER Net)	0.0	60.3	54.3
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):			
	<b>Forecast</b>	<b>Achieved</b>	
INITIAL CRITICALITY	N/A	N/A	
INITIAL ELECTRICITY	N/A	N/A	
COMMERCIAL OPERATION	N/A	N/A	