



**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

FEB 14 2000

Docket Nos. 50-336
50-423
B17998

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, Technical Specification 6.9.1.5 for Millstone Unit No. 3, and Generic Letter 97-02⁽¹⁾, enclosed, are the monthly operating reports for the month of January 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

FOR: C. J. Schwarz
Station Director

BY:



Douglas S. McCracken
Assistant Station Director - Safety

cc: See next page

⁽¹⁾ NRC Generic Letter 97-02, "Revised Contents of The Monthly Operating Report," May 15, 1997.

IE24

Attachments (2)

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
January 2000

February 2000

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH: January 2000

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	872	17	875
2	872	18	874
3	872	19	874
4	872	20	875
5	871	21	874
6	871	22	850
7	872	23	874
8	872	24	874
9	872	25	874
10	872	26	874
11	872	27	514
12	871	28	0
13	872	29	0
14	875	30	298
15	876	31	739
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: 02/03/00
COMPLETED BY: S. Stark
TELEPHONE: (860) 447-1791
EXT: 4419

OPERATING STATUS

- | | |
|---|--------------|
| 1. Docket Number | 50-336 |
| 2. Reporting Period | January 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): | 870.63 |
| 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	744.0	744.0	211272.0
13. Number Of Hours Reactor Was Critical	704.2	704.2	128061.8
14. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
15. Hours Generator On-Line	682.2	682.2	122605.5
16. Unit Reserve Shutdown Hours	0.0	0.0	468.2
17. Gross Thermal Energy Generated (MWH)	1797091.0	1797091.0	316527967.8
18. Gross Electrical Energy Generated (MWH)	602935.5	602935.5	103922979.5
19. Net Electrical Energy Generated (MWH)	580343.6	580343.6	99591674.7
20. Unit Service Factor	91.7	91.7	58.0
21. Unit Availability Factor	91.7	91.7	58.3
22. Unit Capacity Factor (Using MDC Net)	89.6	89.6	54.9
23. Unit Capacity Factor (Using DER Net)	89.7	89.7	54.3
24. Unit Forced Outage Rate	8.3	8.3	28.5

25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Unit 2 Refueling Outage 13 is scheduled to commence on April 22, 2000 and is anticipated to last 45 days.

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

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: 02/02/00
 COMPLETED BY: S. Stark
 TELEPHONE: (860) 447-1791
 EXT: 4419

REPORT MONTH: January 2000

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
00-01	01/27/00	F	61.8	A	2	00-001-00	SM	PCV	Manual plant trip from 100% power due to a Feedwater Heater Drains System malfunction. Control logic was changed on Heater Drains Tank vent valve to prevent depressurization and flashing of tank contents during certain plant transients.

¹F: Forced
 S: Scheduled

²Reason
 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)

³Method
 1 - Manual
 2 - Manual Scram
 3 - Automatic Scram
 4 - Continued from Previous Month
 5 - Power Reduction (Duration = 0)
 6 - Other (Explain)

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

⁵IEEE 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: April 22, 2000
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?
One relief request, five technical specification change requests have been identified at this time.
5. Scheduled date(s) for submitting licensing action and supporting information:
Five technical specification change requests and one relief request 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) 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 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 with core offload (recognizing that there are physical constraints on accessing some of the rack cell locations for fuel assembly storage purposes).
2008, Spent fuel pool full with discharged reload.

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Attachment 2

Millstone Nuclear Power Station, Unit No. 3

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

February 2000

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-423
UNIT: Millstone Unit 3
DATE: 02/03/00
COMPLETED BY: K. W. Emmons
TELEPHONE: (860) 447-1791
EXT: 6572

MONTH: January 2000

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	1161	17	1160
2	1159	18	1159
3	1160	19	1159
4	1159	20	1159
5	1158	21	1159
6	1159	22	1133
7	1160	23	1158
8	1158	24	1156
9	1159	25	1159
10	1160	26	1158
11	1159	27	1160
12	1157	28	1156
13	1159	29	1158
14	1159	30	1160
15	1160	31	1159
16	1160		

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: 02/03/00
 COMPLETED BY: K. W. Emmons
 TELEPHONE: (860) 447-1791
 EXT: 6572

OPERATING STATUS

- | | |
|---|--------------|
| 1. Docket Number | 50-423 |
| 2. Reporting Period | January 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: Net MDC changed due to Audit NX-12 | |
| 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	744.0	120,768.0
13. Number Of Hours Reactor Was Critical	744.0	744.0	78,893.0
14. Reactor Reserve Shutdown Hours	0.0	0.0	6,565.0
15. Hours Generator On-Line	744.0	744.0	77,389.5
16. Unit Reserve Shutdown Hours	0.0	0.0	0.0
17. Gross Thermal Energy Generated (MWH)	2,534,887.0	2,534,887.0	254,519,300.1
18. Gross Electrical Energy Generated (MWH)	896,962.5	896,962.5	88,011,683.1
19. Net Electrical Energy Generated (MWH)	861,565.0	861,565.0	83,661,449.4
20. Unit Service Factor	100.0	100.0	64.1
21. Unit Availability Factor	100.0	100.0	64.1
22. Unit Capacity Factor (Using MDC Net)	100.3	100.3	60.8
23. Unit Capacity Factor (Using DER Net)	100.4	100.4	60.1
24. Unit Forced Outage Rate	0.0	0.0	28.6
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):	N/A		
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: 02/03/00
 COMPLETED BY: K. W. Emmons
 TELEPHONE: (860) 447-1791
 EXT: 6572

REPORT MONTH: January 2000

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

¹F: Forced
 S: Scheduled

²Reason
 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)

³Method
 1 - Manual
 2 - Manual Scram
 3 - Automatic Scram
 4 - Continued from Previous Month
 5 - Power Reduction (Duration = 0)
 6 - Other (Explain)

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

⁵IEEE 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?
No
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:
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 with core offload.