



**Northeast
Nuclear Energy**

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

Millstone Nuclear Power Station
Northeast Nuclear Energy Company
P.O. Box 128
Waterford, CT 06385-0128
(860) 447-1791
Fax (860) 444-4277

The Northeast Utilities System

JAN 11 2000

Docket Nos. 50-336
50-423
B17963

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 December 1999. 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


C. J. Schwarz
Station Director

cc: See next page

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 Project Manager, Millstone Unit No. 3
A. C. Cerne, Senior Resident Inspector, Millstone Unit No. 3

Docket Nos. 50-336
50-423
B17963

Attachment 1

Millstone Nuclear Power Station, Unit No. 2

Facility Operating License No. DPR-65
Monthly Operating Report
December 1999

January 2000

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-336
UNIT: Millstone Unit 2
DATE: 01/03/00
COMPLETED BY: S. Stark
TELEPHONE: (860) 447-1791
EXT: 4419

MONTH: December 1999

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	804	17	817
2	804	18	835
3	794	19	874
4	795	20	872
5	795	21	872
6	795	22	871
7	795	23	871
8	793	24	871
9	787	25	870
10	789	26	871
11	812	27	871
12	816	28	871
13	815	29	871
14	815	30	872
15	815	31	872
16	817		

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: 01/03/00
 COMPLETED BY: S. Stark
 TELEPHONE: (860) 447-1791
 EXT: 4419

OPERATING STATUS

- 1. Docket Number 50-336
- 2. Reporting Period December 1999
- 3. Utility Contact R. Borchert
- 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	8760.0	210528.0
13. Number Of Hours Reactor Was Critical	744.0	5445.9	127357.6
14. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
15. Hours Generator On-Line	744.0	5311.4	121923.3
16. Unit Reserve Shutdown Hours	0.0	0.0	468.2
17. Gross Thermal Energy Generated (MWH)	1918375.0	13868370.4	314730876.8
18. Gross Electrical Energy Generated (MWH)	642301.0	4610584.0	103320044.0
19. Net Electrical Energy Generated (MWH)	619714.0	4413633.4	99011331.1
20. Unit Service Factor	100.0	60.6	57.9
21. Unit Availability Factor	100.0	60.6	58.1
22. Unit Capacity Factor (Using MDC Net)	95.7	57.9	54.8
23. Unit Capacity Factor (Using DER Net)	95.7	57.9	54.2
24. Unit Forced Outage Rate	0.0	39.4	28.6

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: 01/03/00
 COMPLETED BY: S. Stark
 TELEPHONE: (860) 447-1791
 EXT: 4419

REPORT MONTH: December 1999

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 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.

Docket Nos. 50-336
50-423
B17963

Attachment 2

Millstone Nuclear Power Station, Unit No. 3

Facility Operating License No. NPF - 49
Monthly Operating Report
December 1999

January 2000

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-423
UNIT: Millstone Unit 3
DATE: 01/03/00
COMPLETED BY: K. W. Emmons
TELEPHONE: (860) 447-1791
EXT: 6572

MONTH: December 1999

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	1158	17	1160
2	1161	18	1160
3	1160	19	1160
4	1161	20	1159
5	1159	21	1158
6	1158	22	1160
7	1160	23	1160
8	1161	24	1156
9	1158	25	1160
10	1160	26	1156
11	1159	27	1159
12	1162	28	1160
13	1161	29	1159
14	1158	30	1161
15	1160	31	1159
16	1159		

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: 01/03/00
COMPLETED BY: K. W. Emmons
TELEPHONE: (860) 447-1791
EXT: 6572

OPERATING STATUS

- | | |
|---|---------------|
| 1. Docket Number | 50-423 |
| 2. Reporting Period | December 1999 |
| 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): | 1140.0 |
| 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	744.0	8,760.0	120,024.0
13. Number Of Hours Reactor Was Critical	744.0	7,403.7	78,149.0
14. Reactor Reserve Shutdown Hours	0.0	0.0	6,565.0
15. Hours Generator On-Line	744.0	7,329.4	76,645.5
16. Unit Reserve Shutdown Hours	0.0	0.0	0.0
17. Gross Thermal Energy Generated (MWH)	2,536,595.0	24,571,617.0	251,984,413.1
18. Gross Electrical Energy Generated (MWH)	897,760.5	8,622,946.5	87,114,720.6
19. Net Electrical Energy Generated (MWH)	862,598.8	8,255,674.3	82,799,884.4
20. Unit Service Factor	100.0	83.7	63.9
21. Unit Availability Factor	100.0	83.7	63.9
22. Unit Capacity Factor (Using MDC Net)	101.7	82.7	60.6
23. Unit Capacity Factor (Using DER Net)	100.5	81.7	59.8
24. Unit Forced Outage Rate	0.0	0.0	28.8
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: 01/03/00
 COMPLETED BY: K. W. Emmons
 TELEPHONE: (860) 447-1791
 EXT: 6572

REPORT MONTH: December 1999

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: March, 2001
3. Scheduled date for restart following refueling: April, 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.