



Northeast
Utilities System

Millstone Offices • Rope Ferry Rd., Waterford, CT

P.O. Box 128
Waterford, CT 06385-0128
(203) 447-1791

October 15, 1996

Docket Nos. 50-245
50-336
50-423
B15944

Re: 10CFR50.71(a)

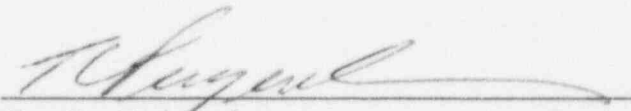
U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Millstone Nuclear Power Station, Unit Nos. 1, 2, and 3
Facility Operating License Nos. DPR-21, DPR-65, and NPF-49
Monthly Operating Reports

In accordance with the reporting requirements of Technical Specification Sections 6.9.1.6, 6.9.1.7, and 6.9.1.5 for Millstone Unit Nos. 1, 2, and 3, respectively, enclosed are the monthly operating reports for the month of September 1996.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY


T. C. Feigenbaum
Executive Vice President and
Chief Nuclear Officer

280029

Enclosure

cc: see page 2

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U. S. Nuclear Regulatory Commission
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cc: H. J. Miller, Region I Administrator
J. W. Andersen, NRC Project Manager, Millstone Unit No. 1
T. A. Easlick, Senior Resident Inspector, Millstone
Unit No. 1
D. G. McDonald, NRC Project Manager, Millstone Unit No. 2
P. D. Swetland, Senior Resident Inspector, Millstone Unit
No. 2
V. L. Rooney, NRC Project Manager, Millstone Unit No. 3
A. C. Cerne, Senior Resident Inspector, Millstone Unit
No. 3

Docket No. 50-245

B15944

Attachment 1

Millstone Unit No. 1

Facility Operating License No. DPR-21

Monthly Operating Report

October 1996

OPERATING DATA REPORT

UNIT NAME Millstone Unit 1
 DATE 10/5/96
 COMPLETED BY G. Newburgh
 TELEPHONE (203) 444-5730

OPERATING STATUS

1. Docket Number 50-245
 2. Reporting Period August 1996
 3. Utility Contact G. Newburgh
 4. Licensed Thermal Power (MWt): 2011
 5. Nameplate Rating (Gross MWe): 662
 6. Design Electrical Rating (Net MWe): 660
 7. Maximum Dependable Capacity (Gross MWe): 670
 8. Maximum Dependable Capacity (Net MWe): 641
 9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons:
 N/A

Notes:
 * Correction

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	5855.0	225071.0
13. Number Of Hours Reactor Critical	0.0	0.0	170529.9
14. Reactor Reserve Shutdown Hours	0.0	0.0	3283.3
15. Hours Generator On-Line	0.0	0.0	166560.7
16. Unit Reserve Shutdown Hours	0.0	0.0	93.7
17. Gross Thermal Energy Generated (MWH)	0.0	0.0	314372827.0
18. Gross Electrical Energy Generated (MWH)	0.0	0.0	105938737.0
19. Net Electrical Energy Generated (MWH)	-2233.0	-18049.0	*101051902.0
20. Unit Service Factor	0.0	0.0	74.0
21. Unit Availability Factor	0.0	0.0	74.0
22. Unit Capacity Factor (Using MDC Net)	-0.5	-0.5	68.6
23. Unit Capacity Factor (Using DER Net)	-0.5	-0.5	68.0
24. Unit Forced Outage Rate	0.0	0.0	11.6
25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Shutdown at time of this report			

26. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: To be determined
 27. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
N/A	N/A
N/A	N/A
N/A	N/A

OPERATING DATA REPORT

UNIT NAME Millstone Unit 1
DATE 10/9/96
COMPLETED BY G. Newburgh
TELEPHONE (203) 444-5730

OPERATING STATUS

1. Docket Number 50-245
2. Reporting Period September 1996
3. Utility Contact G. Newburgh
4. License Thermal Power (MWt): 2011
5. Nameplate Rating (Gross MWe): 662
6. Design Electrical Rating (Net MWe): 660
7. Maximum Dependable Capacity (Gross MWe): 670
8. Maximum Dependable Capacity (Net MWe): 641
9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons:
N/A

Notes:

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	225791.0
13. Number Of Hours Reactor Was Critical	0.0	0.0	170529.9
14. Reactor Reserve Shutdown Hours	0.0	0.0	3283.3
15. Hours Generator On-Line	0.0	0.0	166560.7
16. Unit Reserve Shutdown Hours	0.0	0.0	93.7
17. Gross Thermal Energy Generated (MWH)	0.0	0.0	314372827.0
18. Gross Electrical Energy Generated (MWH)	0.0	0.0	105938737.0
19. Net Electrical Energy Generated (MWH)	-2064.0	-20113.0	101049838.0
20. Unit Service Factor	0.0	0.0	73.8
21. Unit Availability Factor	0.0	0.0	73.8
22. Unit Capacity Factor (Using MDC Net)	-0.4	-0.5	68.4
23. Unit Capacity Factor (Using DER Net)	-0.4	-0.5	67.8
24. Unit Forced Outage Rate	0.0	0.0	11.6
25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Shutdown at time of this report			

26. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: To be determined
27. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast	Achieved
N/A	N/A
N/A	N/A
N/A	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-245
UNIT NAME Millstone Unit 1
DATE 10/9/96
COMPLETED BY G. Newburgh
TELEPHONE (203)-444-5730

REPORT MONTH: September 1996

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
95-09J	951104	S	720	C	4		N/A		RFO15

¹ F: Forced
S: Scheduled

² 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)

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

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

⁵ IEEE Standard 805A-1983,
"Recommended Practices
for Unique identification in
Power Plants and Related
Facilities - Component
Function Identifiers"

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-245

UNIT: Millstone Unit 1

DATE: 10/9/96

COMPLETED BY: G. Newburgh

TELEPHONE: (203) 444-5730

MONTH: September 1996

DAY AVG. DAILY POWER LEVEL
 (MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVG. DAILY POWER LEVEL
 (MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>N/A</u>

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.

REFUELING INFORMATION REQUEST

1. Name of the facility: Millstone Unit 1
2. Scheduled date for next refueling outage: Current refueling outage started November 1995
3. Scheduled date for restart following refueling: To be determined
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
Not determined at this time
5. Scheduled date(s) for submitting licensing action and supporting information:
None at this time
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:
184 GE-11 fuel assemblies
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:
In Core: (a) 0 In Spent Fuel Pool: (b) 3068 Unconsolidated
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 Capacity: Maximum 3229 fuel assembly locations
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming present license capacity:
1998/1999, spent fuel pool full, core offload capacity is reached

Docket No. 50-336

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Attachment 2

Millstone Unit No. 2

Facility Operating License No. DPR-65

Monthly Operating Report

October 1996

OPERATING DATA REPORT

UNIT NAME Millstone Unit 2
 DATE 10/4/1996
 COMPLETED BY R. Borchert
 TELEPHONE (203) 447-1791
 EXT 4418

OPERATING STATUS

1. Docket Number 50-336
 2. Reporting Period September 1996
 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

Notes: Items 22 and 23 cumulative are weighted averages. Unit operated at 2560 MWTH prior to its uprating to the current 2700 MWTH power level.

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	182039.0
13. Number Of Hours Reactor Was Critical	0.0	1223.6	121911.7
14. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
15. Hours Generator On-Line	0.0	1222.1	116611.9
16. Unit Reserve Shutdown Hours	0.0	0.0	468.2
17. Gross Thermal Energy Generated (MWH)	0.0	3240377.0	300862506.4
18. Gross Electrical Energy Generated (MWH)	0.0	1085422.5	98709460.0
19. Net Electrical Energy Generated (MWH)	-1989.0	1028390.6	94647836.7
20. Unit Service Factor	0.0	18.6	64.1
21. Unit Availability Factor	0.0	18.6	64.3
22. Unit Capacity Factor (Using MDC Net)	0.0	18.0	60.7
23. Unit Capacity Factor (Using DER Net)	0.0	18.0	59.9
24. Unit Forced Outage Rate	0.0	9.6	15.0
25. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): None			

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

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 10/04/96
 COMPLETED BY R. Borchert
 TELEPHONE (203) 447-1791
 EXT 4418

REPORT MONTH: September 1996

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
96-03	02/26/96	S	720	B	4	N/A	N/A	N/A	Continued mid-cycle surveillance testing outage from previous month.

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"

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336
UNIT Millstone Unit 2
DATE 10/04/96
COMPLETED BY R. Borchert
TELEPHONE (203) 447-1791
EXT 4418

MONTH: SEPTEMBER 1996

DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVG. DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	---

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.

REFUELING INFORMATION REQUEST

1. Name of the facility: Millstone Unit 2
2. Scheduled date for next refueling outage: Unknown at this time
3. Scheduled date for restart following refueling: Unknown at this time
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
Unknown at this time
5. Scheduled date(s) for submitting licensing action and supporting information:
Unknown at this time
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:
Unknown 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 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:
2000, Spent Fuel Pool Full, Core offload capacity is reached.
2004, Core Full, Spent Fuel Pool Full.

Docket No. 50-423

B15944

Attachment 3

Millstone Unit No. 3

Facility Operating License No. NPF-49

Monthly Operating Report

October 1996

OPERATING DATA REPORT

UNIT NAME	Millstone Unit 3
DATE	10/07/96
COMPLETED BY	I. R. Hudson
TELEPHONE	(203) 444-5400

OPERATING STATUS

1. Docket Number	50-423
2. Reporting Period	September 1996
3. Utility Contact	I. R. Hudson
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):	1184.20
8. Maximum Dependable Capacity(Net MWe):	1137.00
9. If Changes Occur in Capacity Ratings (Items Number 4 Through 8) Since Last Report, Give Reasons:	N/A

Notes:

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	91535.0
13. Number Of Hours Reactor Was Critical	0.0	2158.8	67080.1
14. Reactor Reserve Shutdown Hours	0.0	0.0	6525.8
15. Hours Generator On-Line	0.0	2156.7	65912.4
16. Unit Reserve Shutdown Hours	0.0	0.0	0.0
17. Gross Thermal Energy Generated (MWH)	0.0	7317189.0	216937728.1
18. Gross Electrical Energy Generated (MWH)	0.0	2577448.5	74905103.1
19. Net Electrical Energy Generated (MWH)	-4516.3	2441931.4	71312356.6
20. Unit Service Factor	0.0	32.8	72.0
21. Unit Availability Factor	0.0	32.8	72.0
22. Unit Capacity Factor (Using MDC Net)	0.0	32.7	68.4
23. Unit Capacity Factor (Using DER Net)	0.0	32.2	67.5
24. Unit Forced Outage Rate	100.0	67.2	18.3
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:	To be determined.
27. Units In Test Status (Prior to Commercial Operation):	

INITIAL CRITICALITY	Forecast	Achieved
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 10-07-96
 COMPLETED BY Irene R. Hudson
 TELEPHONE (203) 444-5400

REPORT MONTH: September 1996

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
96-01	03-30-96	F	720	F	4	96-006-00	BA	ISV	Valves inoperable due to original design deficiencies, in that an improper valve design did not meet GDC 57. Corrective action is to install vendor kit to modify valve disk to meet GDC 57. Continued shutdown due to 50.54 issues.

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"

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-423
UNIT Millstone Unit 3
DATE 10/07/96
COMPLETED BY I. R. Hudson
TELEPHONE (203) 444-5400

MONTH: September 1996

DAY AVG. DAILY POWER LEVEL
(MWe-Net)

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY AVG. DAILY POWER LEVEL
(MWe-Net)

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	

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.

REFUELING INFORMATION REQUEST

September 1996

1. Name of the facility: Millstone Unit 3
2. Scheduled date for next refueling outage: To be determined
3. Scheduled date for restart following refueling: To be determined
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
N/A.
5. Scheduled date(s) for submitting licensing action and supporting information:
None.
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.
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) 416
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.
No increase requested.
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming present license capacity:
End of Cycle 7.