

# NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
HOLYOKE WATER POWER COMPANY  
NORTHEAST UTILITIES SERVICE COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

General Offices • Selden Street, Berlin, Connecticut

P.O. BOX 270  
HARTFORD, CONNECTICUT 06141-0270  
(203) 665-5000

May 10, 1991  
MP-91-401

Re: 10CFR50.71(a)

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Reference: Facility Operating License No. DPR-65  
Docket No. 50-336

Dear Sir:

This letter is forwarded to provide the report of operating and shutdown experience relating to Millstone Unit 2 for the month of April, 1991, in accordance with Appendix A Technical Specifications, Section 6.9.1.6. One additional copy of the report is enclosed.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

A handwritten signature in cursive script, appearing to read 'Stephen E. Scace'.

Stephen E. Scace  
Station Director

Millstone Nuclear Power Station

SES/JG

cc: T. T. Martin, Region I Administrator  
G. S. Vissing, NRC Project Manager, Millstone Unit No. 2  
W. J. Raymond, Senior Resident Inspector, Millstone Unit Nos. 1, 2 & 3

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PDR ADOCK 05000336  
R PDR

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TE24

# OPERATING DATA REPORT

DOCKET NO. 50-336  
DATE 05/06/91  
COMPLETED BY J. Gibson  
TELEPHONE (203) 447-1791  
EXT. 4431

## OPERATING STATUS

1. Unit Name: Millstone Unit 2
2. Reporting Period: April 1991
3. Licensed Thermal Power (MWt): 2700
4. Nameplate Rating (Gross MWe): 909
5. Design Electrical Rating (Net MWe): 870
6. Maximum Dependable Capacity (Gross MWe): 893.88
7. Maximum Dependable Capacity (Net MWe): 862.88
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:  
N/A

Notes: Items 21 and 22 cumulative are weighted averages. Unit operated at 2560 MWTH prior to its uprating to the current 2700 MWTH power level.

9. Power Level To Which Restricted, If any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-To-Date	Cumulative
11. Hours In Reporting Period	<u>719.0</u>	<u>2879.0</u>	<u>134519.0</u>
12. Number Of Hours Reactor Was Critical	<u>510.7</u>	<u>2464.5</u>	<u>99377.1</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>2205.5</u>
14. Hours Generator On-Line	<u>508.9</u>	<u>2409.3</u>	<u>94753.1</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>468.2</u>
16. Gross Thermal Energy Generated (MWH)	<u>1368599.0</u>	<u>6388261.0</u>	<u>261444325.4</u>
17. Gross Electrical Energy Generated (MWH)	<u>454494.0</u>	<u>2124520.5</u>	<u>79564220.0</u>
18. Net Electrical Energy Generated (MWH)	<u>437257.0</u>	<u>2044512.5</u>	<u>76345562.0</u>
19. Unit Service Factor	<u>70.8</u>	<u>83.7</u>	<u>70.4</u>
20. Unit Availability Factor	<u>70.8</u>	<u>83.7</u>	<u>70.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>70.5</u>	<u>82.3</u>	<u>66.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>69.9</u>	<u>81.6</u>	<u>65.4</u>
23. Unit Forced Outage Rate	<u>29.2</u>	<u>16.3</u>	<u>13.3</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>N/A</u>		

25. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: May 8, 1991
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast	Achieved
<u>N/A</u>	<u>N/A</u>
<u>N/A</u>	<u>N/A</u>
<u>N/A</u>	<u>N/A</u>

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336  
UNIT: Millstone Unit 2  
DATE: 05/06/91  
COMPLETED BY: J. Gibson  
TELEPHONE: (203)447-1791  
EXT: 4431

MONTH: APRIL 1991

DAY AVG. DAILY POWER LEVEL  
(MWe-Net)

1	868
2	867
3	866
4	866
5	866
6	867
7	831
8	866
9	866
10	866
11	866
12	866
13	864
14	866
15	866
16	867

DAY AVG. DAILY POWER LEVEL  
(MWe-Net)

17	867
18	865
19	864
20	864
21	863
22	120
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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH APRIL 1991

DOCKET NO.	50-336
UNIT NAME	Millstone 2
DATE	05/06/91
COMPLETED BY	J. Gibson
TELEPHONE	(203) 447-1791
EXT.	4431

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
03	910422	F	210.1	A	1	N/A	N/A	N/A	On April 22, 1991, while operating at 100% power, a steam leak developed on a 1 inch extraction line. The unit was manually shutdown to facilitate necessary repairs. Additionally, a decision to remove the unit from service to investigate and repair a steam generator tube leak had been previously scheduled to commence on the evening of April 22. Steam Generator and Extraction line repairs were completed. Unit 2 is currently scheduled to start-up on May 8, 1991.

<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>Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for License  
Event Report (LER) File  
(NUREG-0161)

<sup>5</sup>Exhibit 1 - Same Source

REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown: March 1992
3. Scheduled date for restart following refueling: N/A
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
None at this time
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:  
Millstone 2 will be replacing the Steam Generator sub-assemblies during the upcoming End of Cycle 11 refueling outage. It is anticipated this will be accomplished under 10CFR 50.59.
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) 712  
  
NOTE: These numbers represent the total fuel assemblies and consolidated fuel storage boxes 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:  
Currently 1277
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:  
1994, Spent Fuel Pool Full, core off load capacity is reached (with -out consolidation).  
1998, Core Full, Spent Fuel Pool Full  
2009, Spent Fuel Pool Full, core off load capacity is reached-  
contingent upon full scale storage of consolidated fuel in the  
Spent Fuel Pool.