

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
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(203) 665-5000

January 11, 1991
MP-91-31

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 December, 1990, 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

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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OPERATING DATA REPORT

DOCKET NO. 50-336
 DATE 01/07/91
 COMPLETED BY J. Gibson
 TELEPHONE (203) 447-1791
 EXT. 4431

OPERATING STATUS

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.

1. Unit Name: Millstone Unit 2
 2. Reporting Period: December 1990
 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

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>744.0</u>	<u>8760.0</u>	<u>131640.0</u>
12. Number Of Hours Reactor Was Critical	<u>684.5</u>	<u>6551.5</u>	<u>96912.6</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>2205.5</u>
14. Hours Generator On-Line	<u>676.8</u>	<u>6392.4</u>	<u>92343.8</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>1822046.0</u>	<u>16920226.0</u>	<u>255056064.4</u>
17. Gross Electrical Energy Generated (MWH)	<u>610623.0</u>	<u>5520529.5</u>	<u>77439699.5</u>
18. Net Electrical Energy Generated (MWH)	<u>588794.0</u>	<u>5304415.5</u>	<u>74301049.5</u>
19. Unit Service Factor	<u>91.0</u>	<u>73.0</u>	<u>70.1</u>
20. Unit Availability Factor	<u>91.0</u>	<u>73.0</u>	<u>70.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>91.7</u>	<u>70.2</u>	<u>66.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>91.0</u>	<u>69.6</u>	<u>65.0</u>
23. Unit Forced Outage Rate	<u>9.0</u>	<u>2.7</u>	<u>13.2</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Unit Shutdown At End Of Report Period, Estimated Date of Startup: January 7, 1991
 26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	<u>N/A</u>	<u>N/A</u>
INITIAL ELECTRICITY	<u>N/A</u>	<u>N/A</u>
COMMERCIAL OPERATION	<u>N/A</u>	<u>N/A</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336
 UNIT: Millstone Unit 2
 DATE: 01/07/91
 COMPLETED BY: J. Gibson
 TELEPHONE: (203)447-1791
 EXT: 4431

MONTH: DECEMBER 1990

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	<u>874</u>	17	<u>874</u>
2	<u>875</u>	18	<u>875</u>
3	<u>873</u>	19	<u>875</u>
4	<u>875</u>	20	<u>873</u>
5	<u>872</u>	21	<u>875</u>
6	<u>873</u>	22	<u>876</u>
7	<u>874</u>	23	<u>876</u>
8	<u>874</u>	24	<u>875</u>
9	<u>873</u>	25	<u>873</u>
10	<u>874</u>	26	<u>874</u>
11	<u>873</u>	27	<u>873</u>
12	<u>874</u>	28	<u>874</u>
13	<u>875</u>	29	<u>74</u>
14	<u>874</u>	30	<u>0</u>
15	<u>874</u>	31	<u>0</u>
16	<u>874</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-336
 UNIT NAME Millstone 2
 DATE 01/07/91
 COMPLETED BY J. Gibson
 TELEPHONE (203) 447-1791
 EXT. 4431

REPORT MONTH DECEMBER 1990

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
06	901229	F	67.2	A	1	N/A	N/A	N/A	While operating at 100% power, unidentified RCS leakage increased. Identified 4 steam generator primary manways leaking. Replaced gaskets and diaphragms. Unit still in cold shutdown at the end of report period.

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)

⁴Exhibit G - Instructions
 for Preparation of Data
 Entry Sheets for License
 Event Report (LER) File
 (NUREG-0161)

⁵Exhibit 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:
None
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
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.