

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

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February 11, 1991
MF-91-121

Re: 10CFR50.71(a)

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

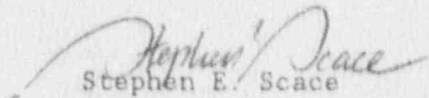
Reference: Facility Operating License No. DPR-65
Docket No. 50-336

Dear Sir:

This letter is forwarded to provide the report of operating and shutdown experience relating to Millstone Unit 2 for the month of January, 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


Stephen E. Scace
Station Director
Millstone Nuclear Power Station

SES/GN

c.. 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 02/06/91
 COMPLETED BY G. Neron
 TELEPHONE (203) 447-1791
 EXT. 4417

OPERATING STATUS

1. Unit Name: Millstone Unit 2
2. Reporting Period: January 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>744.0</u>	<u>744.0</u>	<u>132384.0</u>
12. Number Of Hours Reactor Was Critical	<u>553.0</u>	<u>553.0</u>	<u>97465.6</u>
13. Reactor Reserve Shutdown hours	<u>0.0</u>	<u>0.0</u>	<u>2205.5</u>
14. Hours Generator On-Line	<u>511.1</u>	<u>511.1</u>	<u>92854.9</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>1323684.0</u>	<u>1323684.0</u>	<u>256279748.4</u>
17. Gross Electrical Energy Generated (MWH)	<u>438940.5</u>	<u>438940.5</u>	<u>77878640.0</u>
18. Net Electrical Energy Generated (MWH)	<u>420145.5</u>	<u>420145.5</u>	<u>74721195.0</u>
19. Unit Service Factor	<u>68.7</u>	<u>68.7</u>	<u>70.1</u>
20. Unit Availability Factor	<u>68.7</u>	<u>68.7</u>	<u>70.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>65.4</u>	<u>65.4</u>	<u>66.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>64.9</u>	<u>64.9</u>	<u>64.9</u>
23. Unit Forced Outage Rate	<u>31.3</u>	<u>31.3</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: N/A
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: 02/06/91
 COMPLETED BY: G. Neron
 TELEPHONE: (203) 447-1791
 EXT: 4417

MONTH: JANUARY 1991

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>875</u>
2	<u>0</u>	18	<u>874</u>
3	<u>0</u>	19	<u>874</u>
4	<u>0</u>	20	<u>875</u>
5	<u>0</u>	21	<u>873</u>
6	<u>0</u>	22	<u>871</u>
7	<u>0</u>	23	<u>870</u>
8	<u>0</u>	24	<u>873</u>
9	<u>217</u>	25	<u>868</u>
10	<u>481</u>	26	<u>868</u>
11	<u>0</u>	27	<u>870</u>
12	<u>376</u>	28	<u>871</u>
13	<u>856</u>	29	<u>871</u>
14	<u>870</u>	30	<u>873</u>
15	<u>874</u>	31	<u>872</u>
16	<u>873</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 02/06/91
 COMPLETED BY G. Neron
 TELEPHONE (203) 447-1791
 EXT. 4417

REPORT MONTH JANUARY 1991

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	197.8	A	1	N/A	N/A	N/A	Continuation of steam generator primary man-way leak repair outage from previous month; Turbine generator was placed "on line" on 01/09/91; Unit increased power to ~92% for condenser cleaning.
01	910110	F	35.1	A	3	91-1	TG	P	While operating at ~92% power, the 'B' Electric Hydraulic Control pump failed to maintain proper system pressure which caused a turbine trip and subsequent reactor trip on 01/10/91; the Unit achieved criticality on 01/11/91 and turbine generator was placed "on line" on 01/12/91; the Unit achieved 100% power on 01/13/91; See LER.

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 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:
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

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.