

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

August 15, 1991
MP-91-665

Re: 10CFR50.71(a)

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

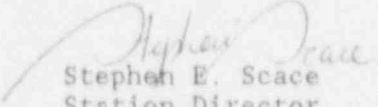
Reference: Facility Operating License No. DPR-65
Docket No. 50-336

Dear Sir:

This letter is forwarded to provide the report of operating and shutdown experience relating to Millstone Unit 2 for the month of July, 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 08/06/91
 COMPLETED BY G. Neron
 TELEPHONE (203) 447-1791
 EXT. 4417

OPERATING STATUS

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

1. Unit Name: Millstone Unit 2
2. Reporting Period: July 1991
3. Licensed Thermal Power (MW): 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	744.0	5087.0	136727.0
12. Number Of Hours Reactor Was Critical	617.1	3417.2	100329.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	2205.5
14. Hours Generator On-Line	560.1	3289.6	95633.4
15. Unit Reserve Shutdown Hours	0.0	0.0	468.2
16. Gross Thermal Energy Generated (MWH)	1352310.0	8544461.0	263600525.4
17. Gross Electrical Energy Generated (MWH)	444249.0	2835255.0	80274954.5
18. Net Electrical Energy Generated (MWH)	423931.0	2716398.0	77017447.5
19. Unit Service Factor	75.3	64.7	69.9
20. Unit Availability Factor	75.3	64.7	70.3
21. Unit Capacity Factor (Using MDC Net)	66.0	61.9	66.1
22. Unit Capacity Factor (Using DER Net)	65.5	61.4	64.9
23. Unit Forced Outage Rate	24.7	35.3	14.2
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: 08/06/91
COMPLETED BY: G. Heron
TELEPHONE: (203) 447-1791
EXT: 4417

MONTH: JULY 1991

DAY	AVG. DAILY POWER LEVEL (MWe-Net)	DAY	AVG. DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>864</u>
2	<u>0</u>	18	<u>864</u>
3	<u>0</u>	19	<u>853</u>
4	<u>0</u>	20	<u>47</u>
5	<u>0</u>	21	<u>247</u>
6	<u>0</u>	22	<u>836</u>
7	<u>167</u>	23	<u>863</u>
8	<u>394</u>	24	<u>865</u>
9	<u>611</u>	25	<u>867</u>
10	<u>458</u>	26	<u>867</u>
11	<u>422</u>	27	<u>821</u>
12	<u>819</u>	28	<u>830</u>
13	<u>854</u>	29	<u>860</u>
14	<u>864</u>	30	<u>870</u>
15	<u>865</u>	31	<u>870</u>
16	<u>865</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 08/06/91
 COMPLETED BY G. Neron
 TELEPHONE (203) 447-1791
 EXT. 4417

REPORT MONTH JULY 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
04	910525	F	147.1	H	1	91-008	JC	PS	Continuation of Steam Generator inspection and repair outage from the previous month. The main generator was placed "on line" July 7, 1991. Unit proceeded to 75% power and problems with the main turbine master trip solenoid were discovered.
05	910710	S	9.4	A	6	N/A	N/A	N/A	The main generator was taken "off line" on July 10, 1991, to replace the "A" Turbine master trip solenoid and the #2 Stop Valve fast acting solenoid. The reactor was maintained critical during this period. The main generator was placed "on line" July 11, 1991. Unit achieved 100% power on July 12, 1991.
06	910720	S	27.4	A	6	N/A	N/A	N/A	The main generator was taken "off line" on July 20, 1991, to troubleshoot the "A" & "B" turbine master trip solenoids. Both the "A" & "B" master trip solenoids were replaced (the "B" solenoid did <u>not</u> require replacement). The main generator was placed " <u>on line</u> " July 21, 1991. Unit achieved 100% power on July 22, 1991.

F: 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: April, 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.