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

October 10, 1990
MP-90-1099

Re: 10CFR50.71(a)

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

Reference: Facility Operating License DPR-21
Docket No. 50-245

Dear Sir:

In accordance with Millstone Unit 1 Technical Specification 6.9.1.6, the following monthly operating data report for Millstone Unit 1 is enclosed. One additional copy of the report is enclosed.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

Stephen E. Scace
Director, Millstone Station

SES/GSN:clc

Enclosures: (4)

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

IE24
1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-245

UNIT Unit 1

DATE 901001

COMPLETED BY G. Newburgh

TELEPHONE (203) 447-1791
Extension 4400

MONTH September 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	650	17	650
2	648	18	650
3	650	19	650
4	650	20	644
5	650	21	650
6	649	22	649
7	582	23	650
8	52	24	651
9	0	25	648
10	0	26	650
11	0	27	643
12	187	28	649
13	627	29	648
14	215	30	648
15	475	31	N/A
16	647		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Computer to the nearest whole megawatt.

OPERATING DATA REPORT

DOCKET NO. 50-245
DATE 900801
COMPLETED BY G. Newburgh
TELEPHONE (203) 447-1791
Extension 4400

OPERATING STATUS

1. Unit Name: Millstone 1
2. Reporting Period: August, 1990
3. Licensed Thermal Power (MWt): 2011
4. Nameplate Rating (Gross MWe): 662
5. Design Electrical Rating (Net MWe): 660
6. Maximum Dependable Capacity (Gross MWe): 684
7. Maximum Dependable Capacity (Net MWe): 654
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

Notes: * Revisions to August, 1990 Report

11.	Hours In Reporting Period	744	5,831	173,183
12.	Number Of Hours Reactor Was Critical	744	5,515.9	137,880.8
13.	Reactor Reserve Shutdown Hours	0	0	3,283.3
14.	Hours Generator On-Line	744	5,430.5	134,515.3
15.	Unit Reserve Shutdown Hours	0	0	93.7
16.	Gross Thermal Energy Generated (MWH)	1,486,657	10,737,455	252,154,992
17.	Gross Elec. Energy Generated (MWH)	503,200	3,678,900	85,100,996
18.	Net Electrical Energy Generated (MWH)	* 481,404	3,551,818	* 81,211,178
19.	Unit Service Factor	100	93.3	77.7
20.	Unit Availability Factor	100	93.3	77.7
21.	Unit Capacity Factor (Using MDC Net)	* 98.9	* 92.3	71.7
22.	Unit Capacity Factor (Using DER Net)	* 98.0	* 91.4	71.1
23.	Unit Forced Outage Rate	0	0.2	9.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
25. If Shutdown at End of Report Period, Estimated Date of Startup: N/A
26. Units in Test Status (Prior to Commercial Operation):

	Forcast	Achieved
INITIAL CRITICALITY	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

OPERATING DATA REPORT

DOCKET NO. 50-245
DATE 901001
COMPLETED BY G. Newburgh
TELEPHONE (203) 447-1791
Extension 4400

OPERATING STATUS

1. Unit Name: Millstone 1
2. Reporting Period: September 1990
3. Licensed Thermal Power (MWt): 2011
4. Nameplate Rating (Gross MWe): 662
5. Design Electrical Rating (Net MWe): 660
6. Maximum Dependable Capacity (Gross MWe): 684
7. Maximum Dependable Capacity (Net MWe): 654
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

Notes:

11.	Hours In Reporting Period	720	6,551	173,903
12.	Number Of Hours Reactor Was Critical	626.3	6,142.2	138,507.1
13.	Reactor Reserve Shutdown Hours	0	0	3,283.3
14.	Hours Generator On-Line	600	6,038.5	135,115.3
15.	Unit Reserve Shutdown Hours	0	0	93.7
16.	Gross Thermal Energy Generated (MWH)	1,166,509	11,923,964	253,321,501
17.	Gross Elec. Energy Generated (MWH	395,700	4,074,600	85,496,696
18.	Net Electrical Energy Generated (MWH)	377,248	3,896,166	81,588,426
19.	Unit Service Factor	83.3	92.2	77.7
20.	Unit Availability Factor	83.3	92.2	77.7
21.	Unit Capacity Factor (Using MDC Net)	80.1	90.9	71.7
22.	Unit Capacity Factor (Using DER Net)	79.4	90.1	71.1
23.	Unit Forced Outage Rate	16.7	2.1	9.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): N/A
25. If 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	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-245
UNIT NAME Unit 1
DATE 901001
COMPLETED BY G. Newwburgh
TELEPHONE (203) 447-1791
Extension 4400

REPORT MONTH September 1990

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting	Licensee Event	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
90-06	900908	F	101.9	F	1	90-014-00	BO	HX	LPCI Heat Exchanger declared inoperable due to questionable flow considerations.
90-07	900914	F	18.1	*H	3	90-015-00	*	*	*Reactor scram on low reactor water level signal. Details have not been determined at the time of this report.

[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]Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

[5]Exhibit 1 - Same Source

REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 1

2. Scheduled date for next refueling shutdown: April 1991

3. Schedule date for restart following refueling: May 1991

4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

   Yes, Technicial Specification Changes Regarding:
   (1) Maximum Average Planar Linear Heat Generating Rate
   (2) Maximum Critical Power Ratio

5. Scheduled date(s) for submitting licensing action and supporting information:

   Winter 1990-91

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:

   188 GE10 Fuel Assemblies

7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

   (a) In Core: (a) 580 (b) 1928

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, 3229 assemblies

9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:

   1997, Spent Fuel Pool, Full Core Off Load Capability is Reached