

# OPERATING DATA REPORT

DOCKET NO. 50-336  
 DATE 2-11-87  
 COMPLETED BY J. Gibson  
 TELEPHONE (203) 447-1791  
 Ext. 4431

## OPERATING STATUS

- |   |  |
|---|--|
| 1. Unit Name: <u>Millstone Unit 2</u>   | Notes Items 21 and 22 cumulative are weighted averages. Unit operated at 2560 Mw Thermal prior to its uprating to the current 2700 Mw Thermal power level. |
| 2. Reporting Period: <u>January 1987</u>  |  |
| 3. Licensed Thermal Power (Mwt): <u>2700</u>  |  |
| 4. Nameplate Rating (Gross MWe): <u>909</u>   |  |
| 5. Design Electrical Rating (Net MWe): <u>870</u>   |  |
| 6. Maximum Dependable Capacity (Gross MWe): <u>888.75</u>   |  |
| 7. Maximum Dependable Capacity (Net MWe): <u>857.25</u>   |  |
| 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): | <u>N/A</u> |
| 10. Reasons For Restrictions, If Any:                 |            |

N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	97320
12. Number Of Hours Reactor Was Critical	683.6	683.6	69821.9
13. Reactor Reserve Shutdown Hours	0	0	2205.5
14. Hours Generator On-Line	671.6	671.6	65744.5
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	1772860	1772860	166520746
17. Gross Elec. Energy Generated (MWH)	586000	586000	54303479
18. Net Electrical Energy Generated (MWH)	564016	564016	52048023
19. Unit Service Factor	90.3	90.3	67.6
20. Unit Availability Factor	90.3	90.3	68.0
21. Unit Capacity Factor (Using MDC Net)	88.4	88.4	63.1
22. Unit Capacity Factor (Using DER Net)	87.1	87.1	62.1
23. Unit Forced Outage Rate	9.7	9.7	16.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Unit is currently shutdown for Steam Generator tube repairs.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 2/13/87

26. Units In Test Status (Prior to Commercial Operation): Forecast Achieved

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

N/A	N/A
N/A	N/A
N/A	N/A

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# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336

UNIT Millstone Unit 2

DATE 2-11-87

COMPLETED BY J. GIBSON

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Ext. 4431

MONTH JANUARY, 1987

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>832</u>	17	<u>866</u>
2	<u>293</u>	18	<u>867</u>
3	<u>226</u>	19	<u>867</u>
4	<u>763</u>	20	<u>867</u>
5	<u>857</u>	21	<u>867</u>
6	<u>860</u>	22	<u>867</u>
7	<u>865</u>	23	<u>866</u>
8	<u>866</u>	24	<u>861</u>
9	<u>866</u>	25	<u>860</u>
10	<u>867</u>	26	<u>858</u>
11	<u>867</u>	27	<u>855</u>
12	<u>866</u>	28	<u>859</u>
13	<u>867</u>	29	<u>697</u>
14	<u>867</u>	30	<u>0</u>
15	<u>868</u>	31	<u>0</u>
16	<u>867</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 2DATE 2-11-87COMPLETED BY J. GibsonTELEPHONE (203) 447-1791Ext. 4431REPORT MONTH JANUARY 1987

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
1	010287	F	21.4	A	3	87-002	SJ	LSV	Unit tripped from 100% power due to the loss of Steam Generator level. See LER.
2	012987	F	51.0	B	1	87-003	AE	TBG	Unit commenced normal shutdown procedures following the discovery of tube leaks in Steam Generator #1. See LER.

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)  
9-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



Docket No. 50-336  
Date 2-11-87  
Unit Name Millstone 2  
Completed By J. Gibson  
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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH JANUARY 1987

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
10/1/86	CVCS	"C" Charging Pump Discharge Check Valve 2-CH-334	Replaced Spring
10/7/86	HPSI	Loop 1A Stop Valve 2-SI-115	Installed new plug.
10/17/86	Reactor Coolant & Vessel	Loop 1B Pressurizer Spray Header Drain Isol. Valve.	Repacked
10/23/86	Main Steam	S/G #1 Atmospheric Dump Control Valve 2-MS-190A	Replaced gasket
10/29/86	Reactor Coolant	Pressurizer Head Vent Valve 2-RC-413	Replaced valve.
11/7/86	CVCS	"B" Charging Pump	Replaced center plunger.
11/14/86	CVCS	"A" Charging Pump Suction Valve 2-CH-316	Replaced bonnet and repacked.
11/29/86	Reactor Coolant & Vessel	"A" RCP	Replaced Seal Cartridge.

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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH JANUARY 1987

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
12/3/86	Reactor Coolant & Vessel	Pressurizer Vent Solenoid Valve 2-RC-422 and 2-RC-424	Replaced Valves
12/3/86	CVCS	"A" Charging Pump Discharge Relief Valve 2-CH-326	Lapped Seat and reinstalled
12/6/86	Reactor Coolant & Vessel	"C" RCP	Replaced seal cartridge
1/6/87	Aerated Liquid Radwaste	"B" Aerated Liquid Radwaste Drain Tank Pump Assemb.	Rebuilt pump
1/19/87	Reactor Coolant & Vessel	ICC Panel Train "A" DT-1748-EX Card	Replaced card
1/20/87	Diesel Generator	"A" Emergency Diesel	Adjusting Governor
1/25/87	CVCS	"C" Charging Pump	Repacked

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown: January 23, 1988
3. Schedule date for restart following refueling: April 1988
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

No

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:

(a) In Core: 217 (b) 512

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 1112

The 1112 available locations reflects the re-racked Spent Fuel Pool. The re-racking of the Unit 2 Spent Fuel Pool has been completed.

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.

1998, Core Full, Spent Fuel Pool.

These numbers are based on the recently re-racked Spent Fuel Pool.



# 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

February 13, 1987  
MP-10027  
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 Monthly Operating Report 87-01 in accordance with Appendix A Technical Specifications, Section 6.9.1.3. One additional copy of the report is enclosed.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

Stephen E. Scace  
Station Superintendent  
Millstone Nuclear Power Station

SES/GN:rg

cc: Regional Administrator, Office of Inspection and Enforcement, Region I  
Director, Office of Inspection and Enforcement, Washington, D. C. (10)  
Director, Office of Resource Management  
T. Rebelowski, Resident Inspector

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