

# OPERATING DATA REPORT

DOCKET NO. 50-336  
 DATE 9/12/84  
 COMPLETED BY R. Borchert  
 TELEPHONE (203) 447-1791  
 Ext. 4418

## OPERATING STATUS

1. Unit Name: Millstone Unit 2
2. Reporting Period: August 1984
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): 895
7. Maximum Dependable Capacity (Net MWe): 864
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 ave. unit operated at 2560 MW Thermal prior to its uprating to the current 2700 MW thermal 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	744	5855	76127
12. Number Of Hours Reactor Was Critical	744	5731.9	54097.2
13. Reactor Reserve Shutdown Hours	0	0	2205.5
14. Hours Generator On-Line	744	5429.1	51611.3
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	1995846	14000111	130311780
17. Gross Elec. Energy Generated (MWH)	630800	4505001	42311379
18. Net Electrical Energy Generated (MWH)	607738	4327011	40542712
19. Unit Service Factor	100	92.7	67.8
20. Unit Availability Factor	100	92.7	68.4
21. Unit Capacity Factor (Using MDC Net)	94.5	85.5	63.3
22. Unit Capacity Factor (Using DER Net)	93.9	84.9	62.5
23. Unit Forced Outage Rate	0	3.1	17.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
 Millstone Unit 2 is scheduled to shutdown in February 1985 for a 16 week refueling and maintenance outage

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336

UNIT Millstone 2

DATE 9/12/84

COMPLETED BY R. Borchert

TELEPHONE (203) 447-1791  
Ext. 4418

MONTH August 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>828</u>	17	<u>824</u>
2	<u>733</u>	18	<u>824</u>
3	<u>822</u>	19	<u>822</u>
4	<u>825</u>	20	<u>822</u>
5	<u>826</u>	21	<u>822</u>
6	<u>824</u>	22	<u>821</u>
7	<u>749</u>	23	<u>820</u>
8	<u>824</u>	24	<u>821</u>
9	<u>825</u>	25	<u>821</u>
10	<u>825</u>	26	<u>820</u>
11	<u>825</u>	27	<u>819</u>
12	<u>825</u>	28	<u>819</u>
13	<u>824</u>	29	<u>817</u>
14	<u>824</u>	30	<u>815</u>
15	<u>820</u>	31	<u>814</u>
16	<u>821</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 9/12/84COMPLETED BY R. BorchertTELEPHONE (203) 447-1791Ext. 4418REPORT MONTH August 1984

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
8	840802	F	0	A	5	N/A	AA	ROD	While at 100% power and during CEA power supply measurement, CEA dropped into core. Power was reduced to < 70% power and CEA was recovered.

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 5  
(Duration = 0)  
9-Other (Explain)

4  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report (LER) File  
(NUREG-0161)  
Exhibit 1 - Same Source

Docket No. 50-336  
Date 9/12/84  
Unit Name Millstone 2  
Completed By R. Borchert  
Telephone (203) 447-1791  
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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH August 1984

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
8/8/84	Gaseous Radwaste	2-GR-4A	Replaced valve.
8/20/84	RPS	RPS Channels "B" and "D"	Replaced Bi-stable power supplies.
8/21/84	Diesel Generator	"A" Diesel Generator	Replaced bearing.
8/31/84	RPS	RPS Channels "A", "B", "C" and "D".	Repair linear power amplifiers.

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown: Next refueling is in February 1985.
3. Schedule date for restart following refueling: June 1985
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

Currently under evaluation due to the impact of failed fuel.

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

4th quarter of 1984.

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:

Discharge of failed fuel will impact reload analysis.

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

(a) In Core: 217 (b) 376

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 667

Plans are being formulated to rack the spent fuel pool.

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

1985, Spent Fuel Pool, Full core off load capacity is reached.

1987, Core Full, Spent Fuel Pool contains 648 bundles.

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## OPERATING STATUS

1. Unit Name: Millstone Unit 2
2. Reporting Period: July 1984 (Revised)
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): 895
7. Maximum Dependable Capacity (Net MWe): 864
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 2 operated at 2560 MW thermal prior to its uprating to the current 2700 MW Thermal 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	744	5111	75383
12. Number Of Hours Reactor Was Critical	744	4987.9	53353.2
13. Reactor Reserve Shutdown Hours	0	0	2205.5
14. Hours Generator On-Line	744	4685.1	50867.3
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	1903852	12004265	128315934
17. Gross Elec. Energy Generated (MWH)	604700	3874201	41680579
18. Net Electrical Energy Generated (MWH)	581715	3719273	39934974
19. Unit Service Factor	100	91.7	67.5
20. Unit Availability Factor	100	91.7	68.1
21. Unit Capacity Factor (Using MDC Net)	90.5	84.2	63.0
22. Unit Capacity Factor (Using DER Net)	89.9	83.6	62.1
23. Unit Forced Outage Rate	0	3.6	17.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down 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>



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY 1984 (Revised)

DOCKET NO. 50-336

UNIT NAME MILLSTONE 2DATE 9/12/84COMPLETED BY R. BorchertTELEPHONE (203) 447-1791EXT. 4418

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
7	840703	F	0	A	5	N/A	AA	ROD	While at 100% power and during CEA power supply voltage measurement, CEA dropped into core. Power was reduced to < 70% power and CEA recovered.

# NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
HOLYOKE WATER POWER COMPANY  
NORTHEAST UTILITIES SERVICE COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

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September 12, 1984  
MP-6331

Director Office of Management Information and Program Control  
U. S. Nuclear Regulatory Commission  
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 84-8 in accordance with Appendix A Technical Specifications, Section 6.9.1.3. One additional copy of the report is enclosed. Also attached are revisions for July 1984.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

E. J. Mroczka  
Station Superintendent  
Millstone Nuclear Power Station

EJM/RB:ejz

cc: Director, Office of Inspection and Enforcement, Region I

Director, Office of Inspection and Enforcement, Washington, D. C. (10)  
U. S. Nuclear Regulatory Commission, c/o Document Management Branch,  
Washington, D.C. 20555

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