

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336

UNIT Millstone 2

DATE _____

COMPLETED BY G. Neron

TELEPHONE (203) 447-1791
Ext. 4417

MONTH May 1984

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>849</u>	17	<u>850</u>
2	<u>851</u>	18	<u>737</u>
3	<u>838</u>	19	<u>841</u>
4	<u>849</u>	20	<u>849</u>
5	<u>850</u>	21	<u>848</u>
6	<u>849</u>	22	<u>848</u>
7	<u>849</u>	23	<u>845</u>
8	<u>848</u>	24	<u>849</u>
9	<u>848</u>	25	<u>849</u>
10	<u>847</u>	26	<u>848</u>
11	<u>848</u>	27	<u>848</u>
12	<u>847</u>	28	<u>849</u>
13	<u>847</u>	29	<u>848</u>
14	<u>848</u>	30	<u>848</u>
15	<u>850</u>	31	<u>848</u>
16	<u>849</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.

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OPERATING DATA REPORT

DOCKET NO. 50-336
DATE _____
COMPLETED BY G. Neron
TELEPHONE (203) 447-1791
Ext. 4417

OPERATING STATUS

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. Unit Name: <u>Millstone Unit 2</u> 2. Reporting Period: <u>May 1984</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>895</u> 7. Maximum Dependable Capacity (Net MWe): <u>864</u> 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7)
 Since Last Report, Give Reasons:
 <u>N/A</u> | <p>Notes</p> <p>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.</p> |
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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	3647	73919
12. Number Of Hours Reactor Was Critical	744	3523.9	51889.2
13. Reactor Reserve Shutdown Hours	0	0	2205.5
14. Hours Generator On-Line	744	3221.1	49403.3
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	1998215	8222443	124534112
17. Gross Elec. Energy Generated (MWH)	651100	2661701	40468079
18. Net Electrical Energy Generated (MWH)	628150	2551902	38767603
19. Unit Service Factor	100.0	88.3	66.8
20. Unit Availability Factor	100.0	88.3	67.5
21. Unit Capacity Factor (Using MDC Net)	97.7	81.0	62.3
22. Unit Capacity Factor (Using DER Net)	97.0	80.4	61.5
23. Unit Forced Outage Rate	0	5.1	18.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

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|----------------------------------------------------------------------|------------|------------|
| 25. If Shut Down At End Of Report Period, Estimated Date of Startup: | <u>N/A</u> | |
| 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

DOCKET NO. 50-336

UNIT NAME Millstone 2

DATE

COMPLETED BY G. NeronTELEPHONE (203) 447-1791

Ext. 4417

REPORT MONTH May 1984

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
4	840518	F	0.0	H	5	N/A	AA	ROD	While at 100% power and during CEA Motion Testing, CEA #22 dropped fully into the 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 _____
 Unit Name Millstone 2
 Completed By G. Neron
 Telephone (203) 447-1791
 Ext. 4417

CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH May 1984

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
5/4/84	Main Steam	2-MS-191B	Perform temporary furmanite leak repair to valve body to bonnet leak.
5/4/84	Reactor Protection System	Voltage to Current Converter	Installed new converter card.
5/7/84	Reactor Protection System	"D" RPS Channel	Replaced power supply 1 for high power bistable.
5/10/84	Reactor Protection System	"D" RPS Channel	Replaced campbell rectifier card.
5/10/84	Seismic Monitoring System	Recorder	Replaced transistors and repaired solder joints in recorder.
5/22/84	Service Water	Pipe Downstream of 2-SW-12B	Cladded weld on Service Water pipe.

Docket No. 50-336
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Completed By: G. Neron
Telephone: (203) 447-1791
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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: N/A
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

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

Not available 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:

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:

667
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.

OPERATING DATA REPORT
(Revised Data For April 1984)

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DATE _____
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TELEPHONE (203) 447-1791
Ext. 4417

OPERATING STATUS

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. Unit Name: <u>Millstone Unit 2</u> 2. Reporting Period: <u>April 1984</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>895</u> 7. Maximum Dependable Capacity (Net MWe): <u>864</u> 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7)
Since Last Report, Give Reasons:
<u>N/A</u> | <p>Notes</p> <p>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.</p> |
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- | | |
|------------------------------------------------------------------|--|
| 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u> | |
| 10. Reasons For Restrictions, If Any:
<u>N/A</u> | |
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	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	719	2903	73175
12. Number Of Hours Reactor Was Critical	719	2779.9	51145.2
13. Reactor Reserve Shutdown Hours	0	0	2205.5
14. Hours Generator On-Line	719	2477.1	48659.3
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	193535	6224228	122535897
17. Gross Elec. Energy Generated (MWH)	633000	2010601	39816979
18. Net Electrical Energy Generated (MWH)	610772	1923752	38139453
19. Unit Service Factor	100.0	85.3	66.5
20. Unit Availability Factor	100.0	85.3	67.1
21. Unit Capacity Factor (Using MDC Net)	98.3	76.7	62.0
22. Unit Capacity Factor (Using DER Net)	97.6	76.2	61.1
23. Unit Forced Outage Rate	0	6.0	18.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

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- | | | |
|---------------------------------------------------------------------------------|------------|------------|
| 25. If Shut-Down At End Of Report Period, Estimated Date of Startup: <u>N/A</u> | | |
| 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> |

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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June 12, 1984
MP-6094

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 84-5 in accordance with Appendix A Technical Specifications, Section 6.9.1.3. One additional copy of the report is enclosed. Also attached is a revised Operating Data Report for April 1984.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

A handwritten signature in cursive script, reading 'E. J. Mroczka'.

E. J. Mroczka
Station Superintendent
Millstone Nuclear Power Station

EJM/GN:dlp

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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