

OPERATING DATA REPORT

DOCKET NO. 50-336
DATE 7/9/79
COMPLETED BY G.H. Howlett
TELEPHONE 203/447-1791 X364

OPERATING STATUS

1. Unit Name: Millstone 2
2. Reporting Period: June 1979
3. Licensed Thermal Power (MWt): 2700
4. Nameplate Rating (Gross MWe): 909
5. Design Electrical Rating (Net MWe): 830*
6. Maximum Dependable Capacity (Gross MWe): 842*
7. Maximum Dependable Capacity (Net MWe): 810*
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes *Unit received ammended license allowing operation at 2700 MWth. Items 5, 6 & 7 reflect unit operation at 2560 MWth and will be updated in the July 1979 Operating Data Report.

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: None

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>4,343</u>	<u>30,791</u>
12. Number Of Hours Reactor Was Critical	<u>498.7</u>	<u>2,391.7</u>	<u>21,919.4</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>71.7</u>	<u>2,072.4</u>
14. Hours Generator On-Line	<u>484.9</u>	<u>2261.6</u>	<u>20,693.3</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>109.4</u>	<u>335.4</u>
16. Gross Thermal Energy Generated (MWH)	<u>1,230,123</u>	<u>5,542,483</u>	<u>49,424,716</u>
17. Gross Electrical Energy Generated (MWH)	<u>410,530</u>	<u>1,829,090</u>	<u>15,857,891</u>
18. Net Electrical Energy Generated (MWH)	<u>391,711</u>	<u>1,742,475</u>	<u>15,159,166</u>
19. Unit Service Factor	<u>67.3</u>	<u>52.1</u>	<u>67.2</u>
20. Unit Availability Factor	<u>67.3</u>	<u>54.6</u>	<u>68.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>67.2</u>	<u>49.5</u>	<u>60.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>65.5</u>	<u>48.3</u>	<u>59.3</u>
23. Unit Forced Outage Rate	<u>32.7</u>	<u>9.4</u>	<u>22.9</u>

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

Steam Generator Feedwater Nozzle Inspection, September 1, 1979,
Approx. 5 Days

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
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast Achieved

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

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(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336

UNIT Millstone 2

DATE 7/9/79

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MONTH July 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>829</u>
2	<u>816</u>
3	<u>830</u>
4	<u>829</u>
5	<u>829</u>
6	<u>827</u>
7	<u>827</u>
8	<u>826</u>
9	<u>823</u>
10	<u>439</u>
11	<u>0 (-7)</u>
12	<u>0 (-5)</u>
13	<u>0 (-6)</u>
14	<u>0 (-25)</u>
15	<u>0 (-24)</u>
16	<u>0 (-18)</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0 (-18)</u>
18	<u>0 (-17)</u>
19	<u>0 (-22)</u>
20	<u>256</u>
21	<u>807</u>
22	<u>824</u>
23	<u>824</u>
24	<u>824</u>
25	<u>824</u>
26	<u>822</u>
27	<u>828</u>
28	<u>860</u>
29	<u>862</u>
30	<u>863</u>
31	<u>-</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.

(9/77)

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH June 1979

DOCKET NO. 50-336
 UNIT NAME Millstone 2
 DATE 7/10/79
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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
5	790610	F	235.1	A	1	LER 79-15 LER 79-17	CB CH	VALVEX PUMPXX	Body to Bonnet leak on 2-RC-405. Pressurizer Power Operated Relief Isolation Valve, forced a manual reactor shutdown and subsequent system cooldown for repair of the valve. During heatup the 'A' Motor driven Aux. Feed Pump shaft, broke extending the shutdown. Repairs were completed and the unit returned to normal power operations.

Summary: The unit operated at 94.8% (2560 MWth) through the 26th except for the shutdown of the 10th through 19th. The unit received a license amendment (Amendment #52 License #65) allowing unit operation at 2700 MWth. Power was increased to 100% (2700 MWth) on 27th with continued normal operations through the 30th.

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Docket No. 50-336
 Date 7/10/79
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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month June 1979

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
4/3/79	Reactor Coolant	2-RC-43 PZR Surge line sample header isolation valve	Rebuilt Valve
4/4/79	Main Steam	2-MS-17A #1 S/G Blowdown line drain valve.	Rebuilt Valve
4/7/79	Diesel Generator	13U D/G Lube oil circ pump	Replaced Pump
4/12/79	Reactor Coolant	2-RC-002 PZR surge line sample control valve	Rebuilt Valve
4/12/79	Main Steam	2-MS-64A Main Steam Iso. Valve	Rebuilt valve air actuators.
4/16/79	Steam Generator	Steam Generator #1	Rigged 1 tube L85-R83
4/16/79	Steam Generator	Steam Generator #2	Plugged 3 tubes L80-R92 L34-R100 L40-R78
4/18/79	Enclosure Building Filtration	2-EB-100 Containment Inboard Hydrogen purge iso valve.	Rebuilt Valve
4/18/79	Containment Sump	2-SSP-16.1 Containment Inboard Sump iso valve	Rebuilt Valve
4/18/79	Main Steam	2-MS-220 A Steam Generator #1 blowdown iso valve	Rebuilt Valve

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Socket No. 50-336
 Date 7/10/79
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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month June 1979

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
4/26/79	Enclosure Building	2-EB-91 Containment Inboard Hydrogen purge iso valve	Rebuilt valve
4/30/79	Enclosure Building	2-AC-1 Purge fan discharge damper	Rebuilt damper
4/30/79	Enclosure Building	2-AC-3 Enclosure Building purge supply damper	Rebuilt damper
5/2/79	Chemical and Volume Control	2-CH-110P Letdown flow control valve	Rebuilt Valve
5/6/79	Chemical and Volume Control	2-CH-210Y Boric Acid makeup flow control valve	Repaired leaky valve
5/7/79	480 Volt load centers	22E Vital 480 Volt transformer	Replaced failed transformer
5/7/79	Aux Feed	Aux Feed Pump 9B	Rebuilt pump
5/7/79	Service Water	Service Water Pump P-5B	Rebuilt pump
5/9/79	Emergency Safeguards Actuation	ESAS Cabinet #5	Replaced defective K506A relay
5/10/79	Reactor Protection	R.C.S. Flow transmitter PDT-111D	Repaired beam assembly and replaced operational amplifier.

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Report Month June 1979

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5/10/79	Reactor Protection	R.P.S. Ch. "D" Low S/G pressure bypass.	Replaced PMC + 15 Volt power supply
5/12/79	Seismic Events	Seismic Monitor NE-9449	Replaced triaxial accelerometer (SN-114-3)
5/16/79	Main Steam	Hangers	Changed out steam line anchor bolts at steam generator block houses.
5/21/79	Chemical and Volume Control	Charging Pump P-18C	Changed out internal pump valves.

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown: June 28, 1980
3. Schedule date for restart following refueling: August 16, 1980
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

Technical Specification changes will be necessary as a result of the change in fuel and safety analysis supplier.

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

The schedule for submitting proposed license action is as follows:

Basic Safety Report	2-1-80
ECCS Results	4-1-80
Reload Safety Evaluation	5-1-80

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:

Cycle 4 will be unique in that it will be the first where the fuel and safety analysis will be supplied by Westinghouse.

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

(a) In Core: 217 (b) 144

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:

1983, Spent Fuel Pool, full core off load capability is reached.
1986, Core Full, Spent Fuel Pool contains 648 bundles.