

Docket No. 50-336  
Date: 7/6/81  
Completed By: G.H. Howlett III  
Telephone: 203/447-1971 X364

REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown:  
Commenced refuel outage December 5, 1981.
3. Schedule date for restart following refueling: January 16, 1982
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?

It is not anticipated that Cycle 5 operations will require Technical Specification changes or other License amendments.

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

Licensing documentation will be provided a minimum of 90 days prior to start-up of Cycle 5 or as documented in the R.A. Clark letter to W.G. Council, dated 10/6/80, authorizing Cycle 4 operation.

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:

N/A

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

(a) In Core: 217 (b) 216

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 capability is reached.  
1987, Core Full, Spent Fuel Pool contains 648 bundles.

# OPERATING DATA REPORT

DOCKET NO. 50-336  
 DATE 07/03/81  
 COMPLETED BY G. H. Howlett  
 TELEPHONE (203) 447-1791  
 ext. 346

## OPERATING STATUS

1. Unit Name: Millstone 2
2. Reporting Period: June 1981
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:

None

Notes \*Items 21 & 22  
 Cumulative are computed  
 using a weighted average.

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4,343	48,335
12. Number Of Hours Reactor Was Critical	699.3	3,586.5	34,835.8
13. Reactor Reserve Shutdown Hours	0	0	2,076.9
14. Hours Generator On-Line	693.7	3,525.9	33,294.9
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	1,853,185	9,309,779	82,545,100
17. Gross Electrical Energy Generated (MWH)	611,400	3,094,090	26,767,007
18. Net Electrical Energy Generated (MWH)	589,374	2,976,830	25,638,876
19. Unit Service Factor	96.4	81.2	68.9
20. Unit Availability Factor	96.4	81.2	69.9
21. Unit Capacity Factor (Using MDC Net)	95.7	79.3	63.9
22. Unit Capacity Factor (Using DER Net)	94.1	78.8	62.8
23. Unit Forced Outage Rate	3.6	18.8	22.3

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

Refueling, December 5, 1981, 44 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):	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>

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336  
UNIT Millstone 2  
DATE 07/03/81  
COMPLETED BY G. H. Howlett  
TELEPHONE (203) 447-1791  
Ext. 364

MONTH June 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	862
2	862
3	861
4	860
5	860
6	859
7	859
8	858
9	858
10	857
11	857
12	851
13	65
14	436
15	858
16	859

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	860
18	859
19	859
20	859
21	859
22	859
23	858
24	858
25	859
26	860
27	860
28	860
29	861
30	861
31	---

## 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

REPORT MONTH June 1981

DOCKET NO. 50-336  
UNIT NAME Millstone 2  
DATE 07/03/81  
COMPLETED BY G. H. Howlett  
TELEPHONE (203) 447-1791 X364

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
5	810613	F	25.7	A	1	--	IA	INSTRU	The unit was manually shutdown to allow the refurbishment of 22 Reactor Coolant System RTD cable connectors. Upon completion of repairs the unit returned to normal 100% power operations.

SUMMARY: The unit operated at or near 100% of rated thermal power throughout the reporting period, except for the outage of the 13th.

Docket No.	50-336
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Unit Name	Millstone 2
Completed By	G. H. Howlett
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## CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month May 1981

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
5/5/81 - 5/18/81	Various	Mechanical Snubbers and associated hangers	Followed test program of acceptance or rejection of mechanical snubbers. See LER 81-018
5/12/81	Reactor Coolant	Pressurizer Pressure Transmitter P-103	Replaced bridge rectifier
5/14/81	Reactor Coolant	2-RC-402, Pressurizer Relief Valve	Replaced valve
5/14/81	Reactor Protection	Ch 'D' Excore Detector Input	Swapped Ch 'D' Excore input with Ch 'Y' Excore input
5/14/81	Reactor Coolant	2-RC-65, Reactor Coolant System Sample Header Isolation Valve	Repaired body to bonnet leak
5/16/81	Chemical & Volume Control	Heat Tracking Cht. 5-25	Repaired grounded circuit
5/18/81	Reactor Protection	Ch 'A' RPS, Thermal Margin/Low Pressure Computation Module	Replaced T/C Max Selector Module
5/28/81	Reactor Protection	Ch 'B' RPS, F-1 Computation Module	Replaced Module
5/28/81	Auxilliary Feedwater	Steam Driven Aux. Feed Pump Turbine, H-21	Replaced turbine bearings, (See LER 81-019)
5/28/81	Reactor Building Closed Cooling Water	2-RB-8B, Spent Fuel Pool Heat Exchanger Cooling Water Outlet Valve	Rebuilt valve
5/29/81	Reactor Protection	Ch 'B' RPS, F-1 Computation Module	