

OPERATING DATA REPORT

DOCKET NO. 50-336
 DATE 8-10-81
 COMPLETED BY G.H. Howlett
 TELEPHONE (203) 447-1791
 X364

OPERATING STATUS

1. Unit Name: Millstone 2
2. Reporting Period: July, 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	744	5,087	49,079
12. Number Of Hours Reactor Was Critical	733.6	4,320.1	35,569.4
13. Reactor Reserve Shutdown Hours	0	0	2,076.9
14. Hours Generator On-Line	733.6	4,259.5	34,028.5
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	1,963,023	11,272,802	84,508,123
17. Gross Electrical Energy Generated (MWH)	647,340	3,741,520	27,414,437
18. Net Electrical Energy Generated (MWH)	624,503	3,601,333	26,263,379
19. Unit Service Factor	98.6	83.7	69.3
20. Unit Availability Factor	98.6	83.7	70.3
21. Unit Capacity Factor (Using MDC Net)	97.2	81.9	* 64.5
22. Unit Capacity Factor (Using DER Net)	96.5	81.4	* 63.3
23. Unit Forced Outage Rate	1.4	16.3	21.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling, December 5, 1981 44 Days</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 2 August, 1981
 26. Units In Test Status (Prior to Commercial Operation):
- | | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY | N/A | N/A |
| INITIAL ELECTRICITY | N/A | N/A |
| COMMERCIAL OPERATION | N/A | N/A |

Note: Correction to the June, 1981 Report, Item 17. Month 611,490 MWH, Yr. to Date 3,094,180 MWH, Cumulative 26,767,097 MWH

(9/77)

8108240063 810814
 PDR ADDCK 05000336
 PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336
 UNIT Millstone 2
 DATE 8-10-81
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MONTH July, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>860</u>
2	<u>860</u>
3	<u>861</u>
4	<u>861</u>
5	<u>861</u>
6	<u>859</u>
7	<u>859</u>
8	<u>859</u>
9	<u>859</u>
10	<u>859</u>
11	<u>724</u>
12	<u>814</u>
13	<u>858</u>
14	<u>861</u>
15	<u>861</u>
16	<u>861</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>860</u>
18	<u>860</u>
19	<u>859</u>
20	<u>859</u>
21	<u>859</u>
22	<u>859</u>
23	<u>806</u>
24	<u>858</u>
25	<u>858</u>
26	<u>858</u>
27	<u>858</u>
28	<u>858</u>
29	<u>858</u>
30	<u>858</u>
31	<u>480</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

REPORT MONTH July, 1981

DOCKET NO. 50-336
 UNIT NAME Millstone 2
 DATE 8-11-81
 COMPLETED BY G.H. Howlett
 TELEPHONE (203) 447-1791
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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
6	810723	F	0	H	1	N/A	HH	INSTRU	Power reduction to 80% of rated thermal power to stabilize a heater drains system level control problem. Groomed various heater level control loops and resumed normal operations.
7	810731	F	10.4	H	3	N/A	HA	INSTRU	An Electro-Hydraulic Control System malfunction caused a turbine trip and subsequent Reactor Trip on Reactor Coolant System high pressure. A follow up investigation found no system problems and normal start-up procedure was commenced.

Summary: The unit operated at or near 100% of rated thermal power throughout the reporting period except for the power reduction of the 23rd and the shutdown of the 31st.

Note: Correction to the July, 1981 Report, Duration of Hours, should have read 26.3 hrs. not 25.7 hrs.

Docket No. 50-336
Date: 8/11/81
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: February 1, 1982
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
It is 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.

Date	8-12-81
Unit Name	Millstone 2
Completed By	G.H. Howlett
Telephone	(203) 447-1791

CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month July, 1981

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
6/8/81	Service Water	2-SW-89B, Cooling Water Supply Valve to 'B' Diesel Generator	Replaced Solenoid
6/13/81	Chemical & Volume Control	Charging Pumps P-18 A&B	Replaced Blank Flanges (See LER 81-021/3L-0)
6/13/81	Service Water	Piping, 'C' Service Water Discharge Piping	Pad Welded Pipe (See LER 81-023/3L-0)
6/15/81	Containment Post Incident Hydrogen Control	'B' Hydrogen Analyzer	Recalibrated H ₂ Analyzer
6/16/81	Diesel Generator	2-DG-34A, Starting Air Flask Blowdown Iso. Valve	Replaced Valve Seat and Packing
6/17/81	Safety Injection	Piping, 1-1/2" - GCB-14	Through Wall Crack, Replaced Pipe (See LER 81-022/3L-0)
6/28/81	Service Water	2-SW-89B, Cooling Water Supply Valve to 'B' Diesel Generator	Replaced Solenoid Valve (See LER 81-024/3L-0)