OPERATING DATA REPORT

DOCKET NO. 50-336
DATE 11-9-81
COMPLETED BY G. H. Howlett
TELEPHONE (203) 447-1791
X4431

OPERATING STATUS

1. Unit Name: Millstone 2
2. Reporting Period: October 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	745	7,296	51,288
12. Number Of Hours Reactor Was Critical	735.5	6,515	37,764.3
13. Reactor Reserve Shutdown Hours	0	0	2,076.9
14. Hours Generator On-Line	710.4	6,411	36,180
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	1,869,618	16,969,983	90,205,304
17. Gross Electrical Energy Generated (MWH)	609,880	5,609,560	29,282,477
18. Net Electrical Energy Generated (MWH)	586,996	5,401,293	28,063,339
19. Unit Service Factor	95.4	87.9	70.5
20. Unit Availability Factor	95.4	87.9	71.5
21. Unit Capacity Factor (Using MDC Net)	91.2	85.7	65.8*
22. Unit Capacity Factor (Using DER Net)	90.6	85.1	64.7*
23. Unit Forced Outage Rate	4.6	12.1	21.0

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

Refueling, Dec. 5, 1981, 8 weeks.

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

Note: Errors in September 1981 report; Items 21 and 22 cumulative, should have Read. (#21) 65.4 and (#22) 64.3.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October 1981

DOCKET NO. 50-336
UNIT NAME Millstone 2
DATE 11-12-81
COMPLETED BY G. H. Howlett
TELEPHONE (203) 447-1791 X4431

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
9	81 11 16	F	26.8	B	3	N/A	N/A	N/A	While troubleshooting feedwater control circuitry a faulty signal was generated causing a Reactor trip on Steam Generator level.
10	81 11 27	F	7.8	B	3	N/A	N/A	N/A	While Eddy Current Testing the Main Condenser, tube plugs were removed resulting in a loss of Condenser vacuum due to gross air in leakage with a subsequent turbine/Reactor trip. The condenser was repaired and normal plant operations were resumed.

Summary: The unit operated at or near 100% rated power throughout the report period except for the outages of the 16th and 27th.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336
UNIT Millstone 2
DATE November 13, 1981
COMPLETED BY G. H. Howlett
TELEPHONE (203) 447-1791
X4431

MONTH October 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	856	17	805
2	857	18	850
3	857	19	850
4	857	20	851
5	857	21	854
6	788	22	854
7	853	23	853
8	854	24	853
9	852	25	853
10	857	26	852
11	794	27	406
12	855	28	549
13	856	29	851
14	857	30	851
15	854	31	851
16	66		

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)

Docket No. 50-336
Date 11/12/81
Unit Name Millstone 2
Completed By G. H. Howlett
Telephone (203) 447-1791 X4431

CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month September 1981

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
9/1/81	Reactor Protection	Channel 'A' Low Steam Generator Bypass	Removed Low S/G Press. Bistable and replaced R5 Potentiometer.
9/3/81	Reactor Regulating	Power Ratio Calculator	Removed and replaced Multiplier/Divider Module, Type 19-302 (B4,5).
9/8/81	Chemical & Volume Control	Charging Pump P-18C	Repacked pump.
9/9/81	Chemical & Volume Control	Charging Pump P-18B	Repacked pump.
9/9/81	Service Water	Chiller, X-181B	Repaired tube leak.
9/10/81	Enclosure Building Filtration	'A' EBFS Discharge Damper 2-EB-52	Replaced air operator on fan damper.
9/11/81	Chemical & Volume Control	Charging Pump P-18A	Repacked pump.
9/18/81	Chemical & Volume Control	Charging Pump P-18C	Replaced various internal parts and repacked pump.

Docket No. 50-336
Date: 11/13/81
Completed By: G.H. Howlett III
Telephone: 203/447-1971 X4431

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. Counsil, 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.