

OPERATING DATA REPORT

DOCKET NO. 50-336

DATE January 3, 1980

COMPLETED BY G. H. Howlett

TELEPHONE 203/447-1791 X364

OPERATING STATUS

1. Unit Name: Millstone 2
2. Reporting Period: December 1979
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
Yr.-to-Date and 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 | 8,760 | 35,208 |
| 12. Number Of Hours Reactor Was Critical | 651.3 | 5,551.4 | 25,079.1 |
| 13. Reactor Reserve Shutdown Hours | 0 | 71.7 | 2,072.4 |
| 14. Hours Generator On-Line | 636.3 | 5,388.5 | 23,820.2 |
| 15. Unit Reserve Shutdown Hours | 0 | 109.4 | 335.4 |
| 16. Gross Thermal Energy Generated (MWH) | 1,613,522 | 13,816,395 | 57,698,628 |
| 17. Gross Electrical Energy Generated (MWH) | 535,134 | 4,555,844 | 18,584,645 |
| 18. Net Electrical Energy Generated (MWH) | 514,155 | 4,363,567 | 17,780,258 |
| 19. Unit Service Factor | 85.5 | 61.5 | 67.7 |
| 20. Unit Availability Factor | 85.5 | 62.8 | 68.6 |
| 21. Unit Capacity Factor (Using MDC Net) | 80.0 | * 59.5 * | 61.8 |
| 22. Unit Capacity Factor (Using DER Net) | 79.4 | * 58.6 * | 60.5 |
| 23. Unit Forced Outage Rate | 14.5 | 22.1 | 25.9 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u> | | | |

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> |

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(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1979

DOCKET NO. 50-336
UNIT NAME Millstone 2
DATE January 3, 1980
COMPLETED BY G. H. Howlett
TELEPHONE 203/447-1791 X364

| 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 |
|-----|--------|-------------------|---------------------|---------------------|--|-------------------------------|-----------------------------|--------------------------------|---|
| 8 | 791031 | F | 107.7 | H | 1 | | HH | PIPEXX | Continuation of outage from previous month. |
| 9 | 791213 | F | 0 | H | 1 | | HH | PUMPXX | Reduced load to replace steam generator feed pump 'A' seal. |

Summary: The steam generator safe end weld repair outage continued through the 4th with the unit going on line on the 5th. Power ascension took place over a period of 3 days while sodium tracer tests were performed on the secondary plant. The unit operated at or near 100% rated thermal power throughout the rest of the reporting period except for the power reduction on the 13th.

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336

UNIT Millstone 2

DATE January 3, 1980

COMPLETED BY George H. Howlett

TELEPHONE 203/447-1791 X364

MONTH December 1979

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | 0 (-6) |
| 2 | 0 (-6) |
| 3 | 0 (-6) |
| 4 | 0 (-23) |
| 5 | 144 |
| 6 | 674 |
| 7 | 766 |
| 8 | 861 |
| 9 | 863 |
| 10 | 862 |
| 11 | 861 |
| 12 | 747 |
| 13 | 517 |
| 14 | 637 |
| 15 | 839 |
| 16 | 849 |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | 842 |
| 18 | 806 |
| 19 | 847 |
| 20 | 861 |
| 21 | 863 |
| 22 | 862 |
| 23 | 862 |
| 24 | 863 |
| 25 | 862 |
| 26 | 863 |
| 27 | 863 |
| 28 | 862 |
| 29 | 862 |
| 30 | 862 |
| 31 | 862 |

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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| | |
|--------------|-------------------|
| Docket No. | 50-336 |
| Date | January 10, 1980 |
| Unit Name | Millstone 2 |
| Completed By | G. H. Howlett |
| Telephone | 203/447-1791 X364 |

CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month November 1979

| DATE | SYSTEM | COMPONENT | MAINTENANCE ACTION |
|---------|---------------------------|---|--------------------------------|
| 11/1/79 | 125 Volt D.C. | Battery 201 A | Replaced Battery 201 A |
| | 125 Volt D.C. | Battery 201 B | Replaced Battery 201 B |
| 11/3/79 | Chemical & Volume Control | 2-CH-515, Letdown Safety Injection Actuation Iso. Valve | Replaced limit switches |
| | | 2-CH-516, Letdown Safety Injection & Containment Isolation Actuation Iso. Valve | Replaced limit switches |
| | | 2-CH-517, Aux. Spray Charging Hdr. Iso. Valve | Replaced limit switches |
| | | 2-CH-518, Loop 2A Charging Hdr. Iso. Valve. | Replaced limit switches |
| 11/4/79 | Safety Injection | 2-SI-614, #1 Safety Injection Tank Discharge Valve | Replaced limit switches |
| | | 2-SI-624, #2 " " " | Replaced limit switches |
| | | 2-SI-634, #3 " " " | Replaced limit switches |
| | | 2-SI-644, #4 " " " | Replaced limit switches |
| 11/5/79 | Feedwater | Steam Generator Feed Pump H-5A | Replaced pump bearings |
| 11/6/79 | Fire Protection | Sprinkler System | Changed out 94 sprinkler heads |

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|--------------|-------------------|
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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month November 1979

| DATE | SYSTEM | COMPONENT | MAINTENANCE ACTION |
|----------|----------------------------|---|--------------------------------------|
| 11/10/79 | Enclosure Bldg. Filtration | 2-EB-42, Enclosure Bldg. Filtration System Fan 'B' Discharge Damper | Replaced damper motor |
| 11/10/79 | Enclosure Bldg. Filtration | 2-EB-52, Enclosure Bldg. Filtration System Fan 'A' Discharge Damper | Replaced damper motor |
| 11/10/79 | Enclosure Bldg. Filtration | 2-AC-1, Containment & Enclosure Bldg. Purge Fan Discharge Valve | Replaced damper motor |
| 11/11/79 | Reactor Coolant | 2-RC-036B, Loop 1A Spray Header Drain Valve | Repaired body to bonnet gasket leak |
| 11/16/79 | Reactor Coolant | 2-RC-45 Containment Isolation Valve | Rebuilt valve |
| 11/16/79 | Service Water | 2-SW-8.1B, Temperature Control Valve RBCCW Heat Exchanger 'C' | Rebuilt valve |
| 11/17/79 | Reactor Coolant | 2-RC-003, Pressurizer Steam Space Sample Control Valve | Rebuilt valve, see LER 79-187 |
| 11/20/79 | Reactor Coolant | P-40A Reactor Coolant Pump | Replaced leaking pump motor "O" ring |
| 11/21/79 | Feedwater | 2-FW-5B, Feedwater Hdr. B Containment Iso. Check Valve | Rebuilt valve operator |
| 11/26/79 | Reactor Coolant | 2-RC-002, Pressurizer Surge Line Sample Control Valve | Rebuilt valve, see LER 79-187 |
| 11/26/79 | Reactor Coolant | 2-RC-001, #1 Hot Leg Sample Control Valve | Rebuilt valves, see LER 79-187 |

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|--------------|--------------------|
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| Telephone | 203/447-1791 X 364 |

CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month November 1979

| DATE | SYSTEM | COMPONENT | MAINTENANCE ACTION |
|-------|----------------------------|---|---|
| 11/79 | Steam Generator/Feed-water | Steam Generators #1 & 2 (X-25 & X-26) Safe Ends and Associated Feedwater Piping | Repaired cracked steam generator safe end welds and associated feedwater piping. |

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown: July 1, 1980
3. Schedule date for restart following refueling: September 1, 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.

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