OPERATING DATA REPORT

| 1. Unit Name: Millstone 2 2. Reporting Period: March 1981 3. Licensed Thermal Power (MWt): 2700 4. Nameplate Rating (Gross MWe): 909 5. Design Electrical Rating (Ket MWe): 870 6. Maximum Dependable Capacity (Net MWe): 864 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: N/A 9. Power Level To Which Restricted, If Any (Net MWe): N/A 9. Power Level To Which Restricted, If Any (Net MWe): N/A 9. Power Level To Which Restricted, If Any (Net MWe): N/A 10. Reasons For Restrictions, If Any: N/A 11. Hours In Reporting Period 744 1,740.5 32,989.8 13. Reactor Reserve Shutdown Hours 0 0 2,076.9 14. Hours Generator On-Line 744 1,766.2 31,475.2 15. Unit Reserve Shutdown Hours 0 0 468.2 16. Gross Thermal Energy Generated (MWH) 620,050 1,502,450 25,175,367 18. Net Electrical Energy Generated (MWH) 639,200 1,445,945 24,107,991 19. Unit Service Factor 100 79.0 68.2 24,107,991 <t< th=""><th></th><th>OPERATING STATUS</th><th colspan="6">DOCKET NO DAT COMPLETED B TELEPHON RATING STATUS</th></t<> | | OPERATING STATUS | DOCKET NO DAT COMPLETED B TELEPHON RATING STATUS | | | | | |
|---|---|--|---|---|--|--|--|--|
| 9. Power Level To Which Restricted, If Any (Net MWe): N/A 10. Reasons For Restrictions, If Any: N/A This Month Yrto-Date Cumulative 11. Hours In Reporting Period 744 2,160 46,152 12. Number Of Hours Reactor Was Critical 744 1,740.5 32,939.8 13. Reactor Reserve Shutdown Hours 0 0 2,076.9 14. Hours Generator On-Line 744 1,706.2 31,475.2 15. Unit Reserve Shutdown Hours 0 0 468.2 16. Gross Thermal Energy Generated (MWH) 2,001,106 4,535,309 77,770,630 17. Gross Electrical Energy Generated (MWH) 662,050 1,502,450 25,175,367 18. Net Electrical Energy Generated (MWH) 639,200 1,445,945 24,107,991 19. Unit Service Factor 100 79.0 68.2 20 20. Unit Availability Factor 100 79.0 68.2 21 0 22 61 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22 61 9 61.9 61 9 21 0 22 <th>1. 2. 3. 4. 5. 6. 7. 8.</th> <th>Unit Name: <u>Millstone 2</u> Reporting Period: <u>March 1981</u> Licensed Thermai Power (MWt): <u>2700</u> Nameplate Rating (Gross MWe): <u>909</u> Design Electrical Rating (Net MWe): <u>870</u> Maximum Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): If Changes Occur in Capacity Ratings (Items No N/A</th> <th colspan="3">Notes * Items 21 & 22 Cumulative, are computed using a weighted average. Since Last Report, Give Reasons:</th> | 1. 2. 3. 4. 5. 6. 7. 8. | Unit Name: <u>Millstone 2</u> Reporting Period: <u>March 1981</u> Licensed Thermai Power (MWt): <u>2700</u> Nameplate Rating (Gross MWe): <u>909</u> Design Electrical Rating (Net MWe): <u>870</u> Maximum Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): If Changes Occur in Capacity Ratings (Items No N/A | Notes * Items 21 & 22 Cumulative, are computed using a weighted average. Since Last Report, Give Reasons: | | | | | |
| This MonthYrto-DateCumulative11. Hours In Reporting Period 744 $2,160$ $46,152$ 12. Number Of Hours Reactor Was Critical 744 $1,740.5$ $32,989.8$ 13. Reactor Reserve Shutdown Hours 0 0 $2,076.9$ 14. Hours Generator On-Line 744 $1,706.2$ $31,475.2$ 15. Unit Reserve Shutdown Hours 0 0 468.2 16. Gross Thermal Energy Generated (MWH) $2,001,106$ $4,535,309$ $77,770,630$ 17. Gross Electrical Energy Generated (MWH) $662,050$ $1,502,450$ $25,175,367$ 18. Net Electrical Energy Generated (MWH) $639,200$ $1,445,945$ $24,107,991$ 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Energy Factor 0 21.0 22.6 | 9. 10. | Power Level To Which Restricted, If Any (Net Reasons For Restrictions If Any: | MWe): <u>N/A</u> N/A | | | | | |
| 11. Hours In Reporting Period 744 $2,160$ $46,152$ 12. Number Of Hours Reactor Was Critical 744 $1,740.5$ $32,989.8$ 13. Reactor Reserve Shutdown Hours 0 0 $2,076.9$ 14. Hours Generator On-Line 744 $1,706.2$ $31,475.2$ 15. Unit Reserve Shutdown Hours 0 0 468.2 16. Gross Thermal Energy Generated (MWH) $2,001,106$ $4,535,309$ $77,770,630$ 17. Gross Electrical Energy Generated (MWH) $662,050$ $1,502,450$ $25,175,367$ 18. Net Electrical Energy Generated (MWH) $639,200$ $1,445,945$ $24,107,991$ 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Energy Generated Outage Rate 0 21.0 22.6 | | | | | | | | |
| 12. Number Of Hours Reactor Was Critical 744 $1,740.5$ $32,989.8$ 13. Reactor Reserve Shutdown Hours00 $2,076.9$ 14. Hours Generator On-Line 744 $1,706.2$ $31,475.2$ 15. Unit Reserve Shutdown Hours00 468.2 16. Gross Thermal Energy Generated (MWH) $2,001,106$ $4,535,309$ $77,770,630$ 17. Gross Electrical Energy Generated (MWH) $662,050$ $1,502,450$ $25,175,367$ 18. Net Electrical Energy Generated (MWH) $639,200$ $1,445,945$ $24,107,991$ 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Enrergy Rate 0 21.0 22.6 | | | This Month | Yrto-Date | Cumulative | | | |
| 13. Reactor Reserve Shutdown Hours00 $2,076.9$ 14. Hours Generator On-Line744 $1,706.2$ $31,475.2$ 15. Unit Reserve Shutdown Hours00 468.2 16. Gross Thermal Energy Generated (MWH) $2,001,106$ $4,535,309$ $77,770,630$ 17. Gross Electrical Energy Generated (MWH) $662,050$ $1,502,450$ $25,175,367$ 18. Net Electrical Energy Generated (MWH) $639,200$ $1,445,945$ $24,107,991$ 19. Unit Service Factor10079.0 68.2 20. Unit Availability Factor10079.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Energy Overage Pate0 21.0 22.6 | | Hours In Reporting Period | This Month | Yrto-Date 2,160 | Cumulative 46,152 | | | |
| 14. Hours Generator On-Line 744 $1,706.2$ $31,475.2$ 15. Unit Reserve Shutdown Hours00 468.2 16. Gross Thermal Energy Generated (MWH) $2,001,106$ $4,535,309$ $77,770,630$ 17. Gross Electrical Energy Generated (MWH) $662,050$ $1,502,450$ $25,175,367$ 18. Net Electrical Energy Generated (MWH) $639,200$ $1,445,945$ $24,107,991$ 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Energed Outgoe Pate 0 21.0 22.6 | 11. | Hours In Reporting Period Number Of Hours Reactor Was Critical | This Month 744 744 | Yrto-Date <u>2,160</u> 1,740.5 | Cumulative 46,152 32,989.8 | | | |
| 15. Unit Reserve Shutdown Hours0 468.2 16. Gross Thermal Energy Generated (MWH) $2,001,106$ $4,535,309$ $77,770,630$ 17. Gross Electrical Energy Generated (MWH) $662,050$ $1,502,450$ $25,175,367$ 18. Net Electrical Energy Generated (MWH) $639,200$ $1,445,945$ $24,107,991$ 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Energy Output Pattor 0 21.0 22.6 | 11. 12. 13. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours | This Month 744 744 0 | Yrto-Date 2,160 1,740.5 0 | Cumulative 46,152 32,989.8 2,076.9 | | | |
| 16. Gross Thermal Energy Generated (MWH) 2,001,106 4,535,309 77,770,630 17. Gross Electrical Energy Generated (MWH) 662,050 1,502,450 25,175,367 18. Net Electrical Energy Generated (MWH) 639,200 1,445,945 24,107,991 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Encod Outgoe Pate 0 21.0 22.6 | 11. 12. 13. 14. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line | This Month 744 744 0 744 | Yrto-Date 2,160 1,740.5 0 1,706.2 | Cumulative 46,152 32,989.8 2,076.9 31,475.2 | | | |
| 17. Gross Electrical Energy Generated (MWH) 662,050 1,502,450 25,175,367 18. Net Electrical Energy Generated (MWH) 639,200 1,445,945 24,107,991 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Energed Outgoe Pate 0 21.0 22.6 | 11. 12. 13. 14. 15. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours | This Month 744 0 744 0 744 0 744 | Yrto-Date 2,160 1,740.5 0 1,706.2 0 | Cumulative 46,152 32,989.8 2,076.9 31,475.2 468.2 | | | |
| 18. Net Electrical Energy Generated (MWH) 639,200 1,445,945 24,107,991 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Earced Outgoe Pate 0 21.0 22.6 | 11. 12. 13. 14. 15. 16. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) | This Month 744 744 0 744 0 2,001,106 | Yrto-Date 2,160 1,740.5 0 1,706.2 0 4,535,309 | Cumulative 46,152 32,989.8 2,076.9 31,475.2 468.2 77,770,630 | | | |
| 19. Unit Service Factor 100 79.0 68.2 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Earced Outcoe Pate 0 21.0 22.6 | 11. 12. 13. 14. 15. 16. 17. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) | This Month 744 744 0 744 0 2,001,106 662,050 | Yrto-Date 2,160 1,740.5 0 1,706.2 0 4,535,309 1,502,450 1,445,045 | Cumulative 46,152 32,989.8 2,076.9 31,475.2 468.2 77,770,630 25,175,367 24,107,001 | | | |
| 20. Unit Availability Factor 100 79.0 69.2 21. Unit Capacity Factor (Using MDC Net) 99.4 77.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Encod Ovtage Pate 0 21.0 22.6 | 11. 12. 13. 14. 15. 16. 17. 18. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) | This Month 744 744 0 744 0 2,001,106 662,050 639,200 | Yrto-Date 2,160 1,740.5 0 1,706.2 0 4,535,309 1,502,450 1,445,945 | Cumulative 46,152 32,989.8 2,076.9 31,475.2 468.2 77,770,630 25,175,367 24,107,991 | | | |
| 21. Unit Capacity Factor (Using MDC Net) 99.4 11.5 63.1 22. Unit Capacity Factor (Using DER Net) 98.8 76.9 61.9 23. Unit Encod Outgoe Pate 0 21.0 22.6 | 11. 12. 13. 14. 15. 16. 17. 18. 19. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor | This Month 744 744 0 744 0 2,001,106 662,050 639,200 100 | Yrto-Date 2,160 1,740.5 0 1,706.2 0 4,535,309 1,502,450 1,445,945 79.0 | Cumulative 46,152 32,989.8 2,076.9 31,475.2 468.2 77,770,630 25,175,367 24,107,991 68.2 | | | |
| 22. Onit capacity Factor (Using DER Net) | 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor | This Month 744 744 0 744 0 2,001,106 662,050 639,200 100 100 | Yrto-Date 2,160 1,740.5 0 1,706.2 0 4,535,309 1,502,450 1,445,945 79.0 79.0 77.5 | Cumulative 46,152 32,989.8 2,076.9 31,475.2 468.2 77,770,630 25,175,367 24,107,991 68.2 69.2 63.1 | | | |
| | 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. | Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) | This Month 744 744 0 744 0 2,001,106 662,050 639,200 100 100 99,4 98,8 | Yrto-Date 2,160 1,740.5 0 1,706.2 0 4,535,309 1,502,450 1,445,945 79.0 79.0 79.0 79.0 77.5 76.9 | Cumulative 46,152 32,989.8 2,076.9 31,475.2 468.2 77,770,630 25,175,367 24,107,991 68.2 69.2 63.1 61.9 | | | |

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

Mechanical Snubber Inspection, May 1, 1981, 11 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 | N/A | N/A |
| INITIAL ELECTRICITY | N/A | N/A_ |
| COMMERCIAL OPERATION | _N/A | _N/A_ |

| DOCKET NO. | 50-336 |
|--------------|----------------------------|
| . UNIT | _Millstone 2 |
| DATE | 4-3-81 |
| COMPLETED BY | G. H. Howlett |
| TELEPHONE | (203) 447-1791 Ext. 364 |

| MONTH | March 19 | 181 |
|-------|-------------|-----|
| NUNIN | I MI VII IS | |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | 863 | 17 | 860 |
| 2 | 863 | 18 | 835 |
| 3 | 863 | 19 | 857 |
| 4 | 863 | 20 | 860 |
| 5 | 862 | 21 | 829 |
| 6 | | 22 | 860 |
| 7 | 862 | 23 | 860 |
| 8 | | 24 | 861 |
| 9 | 862 | 25 | 860 |
| 10 | 862 | 26 | 860 |
| 11 | 861 | 27 | 859 |
| 12 | 861 | 28 | 859 |
| 13 | 861 | 29 | 859 |
| 14 | 861 | 30 | 858 |
| 15 | 860 | 31 | 859 |
| 16 | 860 | | |

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 March 1921 | | | | | | DGCKET NO. <u>30-330</u> UNIT NAME <u>Millstone 2</u> DATE <u>8-5-81</u> COMPLETED BY <u>G. H. Howlett</u> TELEPHONE <u>(203) 447-1791</u> Ext. 364 | | |
|-----|--|-------------------|---------------------|---------|---|-------------------------------|--|--------------------------------|---|
| No. | Date | Type ¹ | Duration (Hours) | Reason2 | Method of Shutting Down Reactor 3 | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

50 226

Summary: The unit operated at or near 100% of rated thermal power throughout the report period.

| Docket N | 0. 50-336 | |
|----------|-----------------------|---|
| Date: | April 9, 1981 | |
| Complete | d By: G.H. Howlett II | I |
| Telephon | e: 203/447-1971 X364 | - |

REFUELING INFORMATION REQUEST

- 1. Name of facility: Millstone 2
- 2. Scheduled date for next refueling shutdown:

Commenced refuel outage November 28, 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.

 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. Page 1 of 1

| Docket No. | 50-336 |
|-------------|-------------------------|
| Date | 4-8-81 |
| Unit Name | Millstone Unit 2 |
| ompleted By | G. H. Howlett |
| Telephone | (203) 447-1791 Ext. 364 |

CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

Report Month February 1981

| SYSTEM | COMPONENT | MAINTENANCE ACTION |
|--------------------|--------------------------------|--|
| Reactor Protection | Control Rod Drive MG Set #1 | Replaced light source in field ammeter which caused MG set to trip. Also, replace an overheated resistor in the sycronizing circuit and re-calibrated the sync. card |
| | | |
| | | |
| | | |
| | | |
| | | |
| | SYSTEM Reactor Protection | SYSTEM COMPONENT Reactor Protection Control Rod Drive MG Set #1 |