

OPERATING DATA REPORT

DOCKET NO. 50-336
 DATE 7/15/85
 COMPLETED BY G. Neron
 TELEPHONE (203) 447-1791
 Extension 4417

OPERATING STATUS

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Unit Name: <u>Millstone Unit 2</u> 2. Reporting Period: <u>June 1985</u> 3. Licensed Thermal Power (MWt): <u>2700</u> 4. Nameplate Rating (Gross MWe): <u>909</u> 5. Design Electrical Rating (Net MWe): <u>870</u> 6. Maximum Dependable Capacity (Gross MWe): <u>866.25</u> 7. Maximum Dependable Capacity (Net MWe): <u>833.25</u> 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7)
 Since Last Report, Give Reasons:
 <u>N/A</u> | <p>Notes Items 21 and 22
 cumulative are weighted
 averages. Unit operated
 at 2560 MW thermal prior
 to its uprating to the
 current 2700 MW thermal
 power level.</p> |
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- | |
|---|
| <ol style="list-style-type: none"> 9. Power Level To Which Restricted, If Any (Net MWe): <u>N/A</u> 10. Reasons For Restrictions, If Any:
 <u>N/A</u> |
|---|

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4343	83399
12. Number Of Hours Reactor Was Critical	2.8	1114.9	58077
13. Reactor Reserve Shutdown Hours	0	0	2205.5
14. Hours Generator On-Line	0	1109.8	55502.8
15. Unit Reserve Shutdown Hours	0	0	468.2
16. Gross Thermal Energy Generated (MWH)	0	2895103	140579560
17. Gross Elec. Energy Generated (MWH)	0	945800	45627479
18. Net Electrical Energy Generated (MWH)	(-4874)	895827	43719350
19. Unit Service Factor	0	25.6	66.6
20. Unit Availability Factor	0	25.6	67.1
21. Unit Capacity Factor (Using MDC Net)	0	24.8	62.9
22. Unit Capacity Factor (Using DER Net)	0	23.7	62.0
23. Unit Forced Outage Rate	0	0	16.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

- | | | | | | | | | | | | | | |
|--|---|----------|----------|----------|---------------------|-----|-----|---------------------|-----|-----|----------------------|-----|-----|
| <ol style="list-style-type: none"> 25. If Shut Down At End Of Report Period, Estimated Date of Startup: <u>N/A</u> 26. Units In Test Status (Prior to Commercial Operation): | <table border="0"> <tr> <td></td> <td>Forecast</td> <td>Achieved</td> </tr> <tr> <td>INITIAL CRITICALITY</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>INITIAL ELECTRICITY</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>COMMERCIAL OPERATION</td> <td>N/A</td> <td>N/A</td> </tr> </table> | | Forecast | Achieved | INITIAL CRITICALITY | N/A | N/A | INITIAL ELECTRICITY | N/A | N/A | COMMERCIAL OPERATION | N/A | N/A |
| | Forecast | Achieved | | | | | | | | | | | |
| INITIAL CRITICALITY | N/A | N/A | | | | | | | | | | | |
| INITIAL ELECTRICITY | N/A | N/A | | | | | | | | | | | |
| COMMERCIAL OPERATION | N/A | N/A | | | | | | | | | | | |

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-336

UNIT Millstone 2

DATE 7/15/85

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MONTH June 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u> </u>
16	<u>0</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

DOCKET NO. 50-336

UNIT NAME Millstone 2DATE 7/15/85COMPLETED BY G. NeronTELEPHONE (203) 447-1791Extension 4417REPORT MONTH June

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
1	850216	S	720	C	1	N/A	N/A	N/A	Continuation of Refuel Maintenance Outage from previous month.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continued from
previous month
5-Power Reduction 5
(Duration = 0)
9-Other (Explain)

4
Exhibit G - Instructions
for Preparation of Data
Entry Sheets for Licensee
Event Report (LER) File
(NUREG-0161)
Exhibit 1 - Same Source

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CORRECTIVE MAINTENANCE SUMMARY FOR SAFETY RELATED EQUIPMENT

REPORT MONTH June 1985

DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
2/22/85	Reactor Coolant & Vessel	Spare Pressurizer Transmitter N-E11GM	Replaced precision resistor valued @ 25.01 ohms.
4/30/85	Reactor Coolant & Vessel	Pressure Transmitters PT-100Y and PT-100X	Grease and replace transmitter "O" rings, torque covers.
6/3/85	Reactor Coolant & Vessel	RCP Speed Sensor Pulse Transmitter	Verified connections, corrected leads on TB-9 lower from 5, 6, 7 & 8 to 1, 2, 3 & 4.
6/3/85	Safety Injection Tanks	SIT T39D Low Level Alarm	Installed new microswitch #BZR241.
6/3/85	Safety Injection Tanks	SIT T39D Pressure Transmitter	Installed new seal tite assembly.
6/8/85	Containment Structure	CTMT Electrical Penetration SEX-E6	Replaced broken terminal with spare Wiedmuller terminal.
6/8/85	Containment Structure	CTMT Electrical Penetration SWX-E5	Replaced broken terminal with spare.
3/12/85	Service Water	SW Pump P5B Filter Pressure Diff Switch	Installed new switch and calibrated.

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DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
6/20/85	Incore Nuclear Monitor	Incore Detector E20 Incore Detector F19 Incore Detector J7 Incore Detector T2	Replaced mineral cable.
6/13/85	Incore Nuclear Monitor	Incore Detector L18	Replaced ICI L-18 cable.
5/31/85	ESAS	Automatic Test Inserter	Replaced lamp socket.
6/17/85	ESAS	Bus 24C LNP (A3) UV Trip Bistable	Replaced bistable trip module BA-212.
6/17/85	Reactor Protection	Power Ratio Calculator	Replaced the B2-3 Module.
3/26/85	Reactor Protection	S/G #2 Pressure Transmitter	Installed new amplifier, calibrated, replaced "O" ring and torqued cover.
3/16/85	Reactor Protection	Reactor Protection System	Replaced all noise suppressor diodes on RPS Channel A thru D and checked.
5/10/85	Reactor Protection	Reactor Protection System	Performed component swap of CR1 and R3 for Channels A, B & C. Installed new Channel "D" pre-amp assembly.

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DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
4/9/85	Reactor Protection	Reactor Protection System	Cleaned contacts on trip test relay K1 on Channel A, B & D.
4/11/85	Reactor Protection	Reactor Protection System	Replaced trip test pots on Channel "A" thru "D" RPS linear range drawers.
4/9/85	Reactor Protection	Calibration and Indication Panel RPS-C	Burnished K1 relay contacts and reinstalled/verified proper operation.
6/11/85	Reactor Protection	Calibration and Indication Panel RPS-D	Replaced old fuse holder with new holder.
6/19/85	Reactor Protection	Wide Range Log Channel D	Replaced Channel "D" Wide Range Detector.
6/17/85	Reactor Protection	Wide Range Drawer RPS-D	Replaced Scaling Resistor.
6/19/85	Reactor Regulating	RRS Channel X Neutron Detector	Installed new detector in well #12.
4/16/85	Reactor Regulating	Reactor Coolant Loop 2A Cold Leg Temp	Installed new RTD, S/N 963.
6/13/85	CEA Position Indication	Reed Switch Assembly	Replaced reed switch "A" cable for switch 09.

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4/11/85	Reactor Coolant & Vessel	Reactor Internals - UGS	Removed three (3) bent CEA extension shafts.
4/23/85	Reactor Coolant & Vessel	Reactor Internals - ICI Plate	Cut locks and removed #5 cluster.
6/8/85	Reactor Coolant & Vessel	Reactor Coolant Pump	Overhauled M-2 RCP seal.
6/12/85	Reactor Coolant & Vessel	RCP Suction Line Drain Isolation Valve	Repacked 2-RC-035B.
5/29/85	Reactor Coolant & Vessel	Pressurizer PORV Assembly	Removed flange elbow and spool piece, straightened spool piece and welded new flange and elbow onto 2-RC-404.
3/1/85	Fuel/Reactor Component Handling	Spent Fuel Handling Tool	Replaced old grapple with new grapple assembly, replaced upper tool section and inner sections of old tool with sections from spare tool.
6/20/85	CVCS	"A" Charging Pump	Repacked pump, torqued plunger head nuts.

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6/22/85	Safety Injection Tanks	Hanger #410018 for 12-CCA-5 Piping	Removed hanger base plate, drilled new Hilti-Bolt holes, installed new hanger base plate and welded to hanger.
3/30/85	HPSI	"B" Header Relief Valve	Bench tested and set valve at 1740 PSI.
6/2/85	HPSI	"A" Header to Loop 1A Injection Valve Motor	Removed stem nut and installed new operator on 2-SI-617.
6/2/85	HPSI	"B" Header to Loop 1B Injection Valve Motor	Removed stem nut and installed new operator on 2-SI-626.
4/23/85	HPSI	"A" Header to Loop 1B Injection Valve Motor	Replaced MOV with a new MOV and new stem nut, set limits and adjusted flow.
6/6/85	HPSI	HPSI Pump Suction Pipe	Replaced missing pipe clamp bolt with 3/4" x 7" stud and four (4) nuts.
4/24/85	Shutdown Cooling	Pipe Hanger #402008	Retorqued bolts on mounting plate to proper torque values.
5/3/85	Containment and Enclosure Building Purge	CTMT Purge Supply Isolation Valve Assy (Inside CTMT)	Installed new T-ring and tested.
6/5/85	EBFS	Motor Operated Damper Assy	Replaced motor operator.

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DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
4/9/85	Service Water	Underground SVC Water Pipe 16-KE-1	Applied belzona super metal, grout and burlap.
6/7/85	Service Water	Isolation Valve 2-SW-181A Flange Isolation Valve 2-SW-181B Flange Isolation Valve 2-SW-181C Flange	Temporary Weld Repair of Pipe.
4/17/85	Service Water	Inlet Valve 2-SW-3.1B Assy	Repaired Manual Operator by making new clutch mechanism.
6/19/85	Service Water	Inlet Valve 2-SW-3.1B Assy.	Installed new dual valves, attached sealtight. Made up air fittings, lugged wires and added C-fittings w/covers. Ring terminals bolted tight and tapped. Covers installed.
4/22/85	Service Water	Stop Valve 2-SW-3.2A Assy.	Remounted connection box, two limit switches, two solenoid valves and replaced a 3/4" elbow. Installed valve 2-SW-3.2A and piping.
4/23/85	Service Water	Stop Valve 2-SW-3.2B Assy.	Replaced wire between terminal box and solenoid.

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DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
5/5/85	Service Water	Stop Valve 2-SW-55A	Replaced valve.
6/3/85	Service Water	Stop Valve 2-SW-8A	Installed new gasket and retightened flange.
4/13/85	Service Water	Discharge Pipe Header from SW Pumps (Above Ground)	Installed new cross tie between 2-SW-17A and 2-SW-97B.
3/19/85	Service Water	Discharge Pipe from SW Pumps (Above Ground)	Pad welded eroded area and repainted.
4/23/85	Service Water	Discharge Pipe from SW Pumps (Above Ground) - Flange	Modified studs to "6". Cut old studs off and removed them. Reconnected lines using new gaskets.
6/5/85	Service Water	SW Outlet Pipe 24-JGD-6	Performed weld repair on 24-JGD-6.
4/24/85	RBCCW	"C" RBCCW Pump Motor	Cleaned motor, redrilled lower pump side bearing for RTD. Filled both bearings with oil.
4/28/85	RBCCW	"B" Heat Exchanger	Removed shellfish shells from heat exchanger.

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4/14/85	RBCCW	"C" Heat Exchanger	Plugged one tube.
5/14/85	RBCCW	Inlet Valve 2-RB-28.1A	After testing T-ring was adjusted.
5/11/85	RBCCW	Outlet Valve 2-RB-28.2A Outlet Valve 2-RB-28.2C Outlet Valve 2-RB-28.3A	After testing T-ring was adjusted.
3/28/85	RBCCW	Outlet Valve 2-RB-28.3B Assy.	Adjusted T-ring.
3/26/85	RBCCW	Relief Valve 2-RB-314	Disassembled valve, replaced disc, machined seat, reassembled and set at 150 psig lift.
3/23/85	RBCCW	Drain Valve 2-RB-89B	Disassembled bonnet and reassembled with new bonnet gasket.
6/2/85	Aerated Liquid Radwaste	Isolation Valve 2-SSP-16.1	Disassembled, cleaned internals and inspected disc and seat.
4/24/85	Gaseous Radwaste	Isolation Valve 2-GR-11.2 Assy.	Lapped valve to seat, replaced diaphragm and replaced flex gasket.

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DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
6/20/85	Station Elec. Service 4.16 KV	24G to 24C Feeder Breaker (A302)	Disassembled trip latch mechanism. Cleaned, lubricated and reassembled. Adjusted depth of set screw in tripper shaft.
3/20/85	Station Elec. Service 4.16 KV	Breaker - Diesel Generator 15G-13U-2 (A401)	Overhauled ML-13 operating device and replaced 13 bushings (2 TUF-LOC) with new aluminum-bronze bushings. Cleaned and lubed moving parts.
3/23/85	Station Elec. Service 4.16 KV	Breaker - Safety Injection Pump 24D3-2 (A404)	Cleaned and replaced TUF-LOC bushings with al-bronze bushings.
3/20/85	Station Elec. Service 4.16 KV	Breaker - RBCCW Pump 24D1-2 (A402)	Cleaned and replaced TUF-LOC bushings with al-bronze bushings.
4/13/85	Station Elec. Service 4.16 KV	Breaker - Aux Feed Pump 24D5-2 (A406)	Readjusted pick-up of relay coil.
3/23/85	Station Elec. Service 4.16 KV	Breaker - SVC Wtr Pump 24D6-2 (A407)	Disassembled, cleaned and replaced all TUF-LOC bushings with brass bushings.

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DATE	SYSTEM	COMPONENT	MAINTENANCE ACTION
3/22/85	Station Elec. Service 4.16 KV	Breaker - 24D to 24E Tie 24D-2T-2 (A408)	Lubricated elevator mechanism and adjusted drive wheel of elevator motor.
3/22/85	Station Elec. Service 4.16 KV	Breaker - Bus 24D to 22F 4160/480 Xfmr Feeder 24D7-2 (A409)	Disassembled, installed new bushings.
3/21/85	Station Elec. Service 4.16 KV	Bus 24B to 24D Tie 24D-1T-2 (A410)	Replaced all TUF-LOC bushings with Al-Bronze bushings.
3/23/85	Station Elec. Service 4.16 KV	Bus 24G to 24D Feeder Breaker 22S3-24D-2 (A411)	Cleaned out metal shavings and replaced bushings.
6/13/85	Station Elec. Service 4.16 KV	Breaker - P5B SVC Water Pump 24E1-2 (A502)	Cleaned, lubricated and reassembled trip latch assembly.
4/4/85	Station Elec. Service 4.16 KV	Breaker - RBCCW Pump 24E3-2 (A504)	Replaced TUF-LOC bushings with Al-Bronze bushings.
3/28/85	Station Elec. Service 4.16 KV	Breaker - RBCCW Pump 24E3-2 (A504)	Replaced broken fuse holder in 4.16 KV cabinet, breaker A504.
4/5/85	Station Elec. Service 4.16 KV	Breaker - Bus 24F to 24E Tie 21S3-24E-2 (A505)	Cleaned and replaced bushings.

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4/5/85	Station Elec. Service 4.16 KV	Breaker - Bus 24F to 24E Feed (A602)	Lubricated mechanism.
3/8/85	Station Elec. Service 4.16 KV	Breaker - Spare, S/N 0228A2415-003	Welded striker plate.
3/12/85	Station Elec. Service 4.16 KV	Breaker - Spare, S/N 0228A2415-003	Deburred Al-Bronze bushings, cleaned and reassembled with 11 new Al-Bronze bushings.
2/20/85	480 V Load Centers	Breaker - F14B C.A.R. Fan (B0605)	Straightened track lock link.
3/9/85	480 V Load Centers	Breaker - DC2 "B" DC Battery Bus Battery Charger (B0607)	Split breaker, installed new/ rebuilt EC-2A series overcurrent devices, cleaned and lubricated.
6/20/85	125 Volt DC	"B" 125 Volt DC Station Battery	Cut end rail of battery rack to adjust clearance approx. $\frac{1}{4}$ " for cell #12 and #43. Adjusted end rail of cell #13 and #42.
4/23/85	ESAS	Channel "D" Stop Valve 2-AC-99	Removed bonnet and plug, lapped plug and seat, installed bonnet with new flex gasket.

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REFUELING INFORMATION REQUEST

1. Name of facility: Millstone 2
2. Scheduled date for next refueling shutdown: September 1986
3. Schedule date for restart following refueling: N/A
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?
N/A
5. Scheduled date(s) for submitting licensing action and supporting information:
 - A. Technical support information for reracking the spent fuel pool will be submitted approximately July 31, 1985 to support a proposed license amendment.
 - B. Results of the sleeving and plugging of the steam generator tubes was submitted to the NRC on June 18, 1985.
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:
None.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:

(a) In Core: 217 (b) 449
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:

Currently 667
Plans are being formulated to rerack the spent fuel pool beginning in August 1985, to increase the storage capacity to 1106 fuel assemblies.
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 capacity is reached.
1987, Core Full, Spent Fuel Pool contains 648 bundles.