

OPERATING DATA REPORT

DOCKET NO. 50-344
 DATE 6-5-85
 COMPLETED BY L. S. Peterson
 TELEPHONE (503) 556-3713
 Ext. 496

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: May, 1985
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1216
5. Design Electrical Rating (Net MWe): 1130
6. Maximum Dependable Capacity (Gross MWe): 1122
7. Maximum Dependable Capacity (Net MWe): 1080
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>3,623.</u>	<u>76,679.</u>
12. Number Of Hours Reactor Was Critical	<u>30.5</u>	<u>2,767.4</u>	<u>45,513.1</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>3,887.4</u>
14. Hours Generator On-Line	<u>30.0</u>	<u>2,749.5</u>	<u>45,085.0</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>3,249.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>89,332.</u>	<u>9,202,378.</u>	<u>143,188,540.</u>
17. Gross Electrical Energy Generated (MWH)	<u>28,492.</u>	<u>2,942,494.</u>	<u>46,498,274.</u>
18. Net Electrical Energy Generated (MWH)	<u>21,664.</u>	<u>2,803,108.</u>	<u>43,953,633.</u>
19. Unit Service Factor	<u>4.0</u>	<u>75.9</u>	<u>58.8</u>
20. Unit Availability Factor	<u>4.0</u>	<u>75.9</u>	<u>63.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>2.7</u>	<u>71.6</u>	<u>53.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>2.6</u>	<u>68.5</u>	<u>50.7</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>6.0</u>	<u>16.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling outage in progress.</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: July 9, 1985

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast

Achieved

n/a
n/a
n/a

n/a
n/a
n/a

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-344

UNIT: Trojan

DATE: 6-5-85

COMPLETED BY: L. S. Peterson

TELEPHONE: (503) 556-3713

Ext. 496

MONTH MAY 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1017</u>	17	<u>-3</u>
2	<u>90</u>	18	<u>-4</u>
3	<u>-32</u>	19	<u>-5</u>
4	<u>-17</u>	20	<u>-4</u>
5	<u>-14</u>	21	<u>-4</u>
6	<u>-16</u>	22	<u>-4</u>
7	<u>-17</u>	23	<u>-4</u>
8	<u>-7</u>	24	<u>-4</u>
9	<u>-4</u>	25	<u>-4</u>
10	<u>-5</u>	26	<u>-4</u>
11	<u>-5</u>	27	<u>-4</u>
12	<u>-6</u>	28	<u>-4</u>
13	<u>-4</u>	29	<u>-5</u>
14	<u>-6</u>	30	<u>-4</u>
15	<u>-6</u>	31	<u>-4</u>
16	<u>-4</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 MAY 1985

DOCKET NO. 50-344
 UNIT NAME Trojan
 DATE 6-5-85
 COMPLETED BY L. S. Peterson
 TELEPHONE (503) 556-3713
 Ext. 496

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
85-03	850502	S	713.9	C	1	NA	ZZ	ZZ	Unit shutdown as scheduled for annual refueling outage.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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-Other (Explain)

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

⁵
 Exhibit I - Same Source

SUMMARY OF OPERATING EXPERIENCE

Docket No: 50-344
Date: 6-5-85
Completed By: L. S. Peterson
Telephone: 503 556-3713
Ext. 496

Operations:

The plant began the month operating at 99% power while preparing for the annual refueling outage. Power reduction commenced at 0100 on May 2nd as planned. Prior to shutting down the reactor, testing was performed which demonstrated that the supply of feedwater to the steam generators could be transferred from the auxiliary feedwater system to the main feedwater system without using the feedwater control bypass valves. The main turbine was tripped at 0601, and the reactor was taken subcritical (mode 3) at 0625 on May 2nd by manual insertion of the control rods. After performing required testing, cooldown of the reactor coolant system commenced at 1230 on May 3rd. Entered mode 4 at 1824 on May 3rd. Entered mode 5 at 0313 on May 4th. Entered mode 6 at 1830 on May 10th.

Core unloading began at 2345 on May 17th, and was completed at 1620 on May 22nd. The lower internals were removed on May 23rd in preparation for inservice inspection of the reactor vessel welds, with the inspection being completed at month's end. On May 21st, an inadvertent safety injection occurred during testing of steam line pressure transmitters. One group of instrument technicians was testing reactor protection and engineered safeguards feature signals in Protection Set I while another group of instrument technicians was performing calibration checks on the steam pressure signals at the same time, completing the logic required for a safety injection based on one steam line being 100 psid lower in pressure than 2 of 3 other steam lines.

Major Safety-Related Maintenance:

1. Completed ultrasonic inspection of the reactor vessel welds (end of 10-year ISI period).
2. Commenced local leak rate testing of containment penetrations.
3. Commenced mechanical and hydraulic snubber inspections.
4. Completed 1, 3, and 5 year preventative maintenance testing (including overspeed trip testing) of east emergency diesel generator.
5. Commenced steam generator sludge lancing.
6. Performed steam generator T-tube inspection.
7. Performed functional testing of east emergency diesel generator decouple switch modification.
8. Commenced swagelok fitting inspection program (including incore instrumentation seal table modifications).
9. Commenced reactor trip breaker auto shunt trip modification.

Miscellaneous Maintenance:

1. Commenced replacement of various feedwater heaters.
2. Commenced disassembly and inspection of the high pressure turbine.
3. Continued inspection and repair of secondary side extraction and high energy piping.
4. Commenced inspection of 'B' heater drain pump, 'B' condensate pump, 'B' circ water pump.
5. Commenced inspection of main feedwater pump turbine.
6. Completed spent fuel pool reracking.

License Changes:

Amendment 106 to the technical specifications included changes regarding personnel overtime limitations, calibration of input sensors to the reactor trip based on turbine trip, and post-accident sampling program requirements.

Miscellaneous:

1. During inspection of the high pressure turbine, a broken diaphragm partition blade was discovered. It is possible that this could have resulted in the high vibration turbine trip experienced on 3/9/85.
2. A visual examination of the fuel assemblies was conducted during core unloading. All the modified fuel assemblies (stainless steel pins and mini-grids) and unmodified fuel assemblies positioned at the former baffle-jetting joint locations were in good condition and no significant anomalies were noted. The upflow-modification to the reactor internals appears to be successful for the center-injection joints which had unmodified fuel positioned at them, unmodified fuel has not yet reoccupied the corner-injection joint positions.
3. Notification was recieved of increased seismic activity at Mt. St. Helens. No noticeable effects have occurred at the Trojan site.

Note: The average daily power level (MWe-net) reported for April 28 in last month's report was based on having shifted to Pacific Daylight Savings Time, thus only a 23-hour day. When corrected to a 24-hour day basis the average daily power level was 1022 MWe-net.



Portland General Electric Company
Trojan Nuclear Plant
P.O. Box 439
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(503) 556-3713

June 6, 1985
WSO-394-85

Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

In accordance with the Trojan Nuclear Plant Technical Specifications reporting requirements, the monthly report is submitted for May, 1985.

Sincerely,

W. S. Orser
General Manager

WSO/GGB/LSP:pat

Attachments

c: MOR Distribution
File 93.24b

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