

OPERATING DATA REPORT

DOCKET NO. 50-344
 DATE 7-1-85
 COMPLETED BY L. S. Peterson
 TELEPHONE (503) 556-3713
 Ext. 496

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: June, 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>720.</u>	<u>4,343.</u>	<u>77,399</u>
12. Number Of Hours Reactor Was Critical	<u>0.0</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>0.0</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>0.0</u>	<u>9,202,378.</u>	<u>143,188,540</u>
17. Gross Electrical Energy Generated (MWH)	<u>0.0</u>	<u>2,942,494.</u>	<u>46,498,274.</u>
18. Net Electrical Energy Generated (MWH)	<u>-3,854.</u>	<u>2,799,254.</u>	<u>43,949,784.</u>
19. Unit Service Factor	<u>0.0</u>	<u>63.3</u>	<u>58.2</u>
20. Unit Availability Factor	<u>0.0</u>	<u>63.3</u>	<u>62.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0.0</u>	<u>59.7</u>	<u>52.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>0.0</u>	<u>57.0</u>	<u>50.2</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):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: July 6, 1985
 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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Summary of Operating Experience

Operation:

The plant entered the month in mode 6. After completion of the inservice inspection of the reactor vessel, the lower internals were installed. Core reloading began at 1743 on June 4th and was completed on June 9th. After installation of the upper internals and reactor vessel head, the plant entered mode 5 at 1525 on June 17th. A bubble was drawn in the pressurizer on June 25th and cold control rod drop testing completed on June 26th.

An inadvertent safety injection (SI) occurred on June 30th during Instrumentation and Control (I&C) testing of the reactor protection system. The plant was in mode 5 at the time with RCS pressure at 350 psig. During testing of the reactor trip breakers, the low pressurizer pressure safety injection signal was inadvertently unblocked by simulating a high pressurizer pressure signal. Upon completion of the testing the elevated signals were removed and a SI actuation occurred due to the actual low pressurizer pressure conditions.

After recovering from the SI the plant entered mode 4 at 1830 on June 30 in preparation for a return to power operation.

Major Safety-Related Maintenance:

Performed eddy-current inspection of 100% of the tubes in the 'B' and 'C' steam generators. Three (3) tubes in the 'C' generator were plugged.

Completed the 10-year reactor vessel inservice inspection. No recordable indications were found.

Refurbished all safety-related hydraulic snubbers.

Completed mechanical snubbers inspection and replaced units which failed to meet test acceptance criteria.

Completed local leak rate testing of containment isolation valves.

Modified controls for the turbine driven auxiliary feedwater pump to allow an immediate restart of the pump from the control room.

Continued modifications to environmentally qualify equipment located in the main steam support structure.

Modified circuitry for valves supplying component cooling water to the reactor coolant pumps such that the valves close on a phase 'B' Containment Isolation Signal (on Hi-Hi containment pressure or manual containment spray actuation) instead of a phase 'A' containment isolation signal (any safety injection signal or manual containment isolation signal).

Miscellaneous Maintenance:

Complete inspection and refurbishment of the high pressure section of the main turbine.

Replaced the three number 1/2 feedwater heater tube bundles in A train feedwater system. Also replaced the four number 3 and 4 feedwater heat exchangers in both trains.

Repaired the rotor on the 'A' main feedwater pump turbine.

Modified the main feedwater pump recirculation system to allow for gradual opening of the control valve to eliminate step changes in flow rate when the valve actuates.

Performed ultrasonic thickness measurements on steam and high energy fluid piping in the secondary plant. Replaced piping that showed thinning.

Completed sludge lancing of the steam generators.

License Changes:

None

Miscellaneous:

During eddy current inspection of the 'B' steam generator, three foreign objects were noted on the primary side of the generator. The objects were determined to be a small piece of wire, a piece of debris from the lower internals hole cutting operations (which took place during the upflow modification in the 1984 refueling outage), and a fastener-type device of non-RCS origin. This debris was all removed from the steam generator following level instrument accuracy enhancements.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-344

UNIT: Trojan

DATE: 7-1-85

COMPLETED BY: L. S. Peterson

TELEPHONE: (503) 556-3713

Ext. 496

MONTH JUNE 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>-4</u>	17	<u>-4</u>
2	<u>-4</u>	18	<u>-4</u>
3	<u>-4</u>	19	<u>-5</u>
4	<u>-4</u>	20	<u>-4</u>
5	<u>-4</u>	21	<u>-4</u>
6	<u>-5</u>	22	<u>-5</u>
7	<u>-4</u>	23	<u>-6</u>
8	<u>-4</u>	24	<u>-4</u>
9	<u>-4</u>	25	<u>-4</u>
10	<u>-6</u>	26	<u>-5</u>
11	<u>-5</u>	27	<u>-8</u>
12	<u>-5</u>	28	<u>-9</u>
13	<u>-4</u>	29	<u>-11</u>
14	<u>-4</u>	30	<u>-19</u>
15	<u>-3</u>	31	<u>N/A</u>
16	<u>-3</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. 50-344UNIT NAME TrojanDATE 7-1-85COMPLETED BY L. S. PetersonTELEPHONE (503) 556-3713

Ext. 496

REPORT MONTH JUNE 1985

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	720	C	1	NA	88	88	Continued annual refueling outage which began on May 2, 1985.

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)

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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

PG&E



Portland General Electric Company
Trojan Nuclear Plant
P.O. Box 439
Rainier, Oregon 97048
(503) 556-3713

July 8, 1985
WSO-443-85


Office of Resource Management
US Nuclear Regulatory Commission
Washington, DC 20555

Gentlemen:

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

Sincerely,

W. S. Orser
General Manager


WSO/GGB:pat

Attachments

c: Distribution
File: 93.24b

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