

**OPERATING DATA REPORT**

DOCKET NO. 50-344  
 DATE 7-1-80  
 COMPLETED BY G. G. Bair  
 TELEPHONE 503/556-3713  
 Ext. 234

**OPERATING STATUS**

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: June 1980
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:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): 0
10. Reasons For Restrictions, If Any: NRC licensing questions regarding seismic integrity of auxiliary building walls has mandated shutdown beyond June 18, 1980.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>4367</u>	<u>33575</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>2422</u>	<u>18720</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>2171.8</u>
14. Hours Generator On-Line	<u>0</u>	<u>2416.7</u>	<u>18044.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1508.7</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>6839434</u>	<u>55735043</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>2203790</u>	<u>18189205</u>
18. Net Electrical Energy Generated (MWH)	<u>-3638</u>	<u>2088895</u>	<u>17122214</u>
19. Unit Service Factor	<u>0</u>	<u>55.3</u>	<u>53.7</u>
20. Unit Availability Factor	<u>0</u>	<u>55.3</u>	<u>58.2</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>44.3</u>	<u>47.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>42.3</u>	<u>45.1</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>8.2</u>	<u>28.4</u>

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

Design modifications from TMI, October 1980, 30 days

25. If Shut Down At End Of Report Period, Estimated Date of Startup: July 12, 1980

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u>NA</u>	<u>NA</u>
INITIAL ELECTRICITY	<u>NA</u>	<u>NA</u>
COMMERCIAL OPERATION	<u>NA</u>	<u>NA</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-344

UNIT Trojan

DATE July 1, 1980

COMPLETED BY G. G. Bair

TELEPHONE 503/556-3713

Extension 234

MONTH June 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-5
2	-4
3	-4
4	-6
5	-6
6	-6
7	-2
8	-2
9	-5
10	-5
11	-5
12	-4
13	-4
14	-5
15	-4
16	-6

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	-6
18	-6
19	-6
20	-6
21	-5
22	-2
23	-6
24	-6
25	-6
26	-6
27	-5
28	-6
29	-5
30	-5
31	NA

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. 50-344  
 UNIT NAME Trojan  
 DATE July 1, 1980  
 COMPLETED BY G. G. Bair  
 TELEPHONE 503/556-3713  
 Extension 234

REPORT MONTH June 1980

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
80-04	800411	S	528	C	1	NA	NA	NA	NA
NA	800622	F	192	D	NA	LER-80-07	NA	NA	NA

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 Exhibit I - Same Source

DOCKET NO: 50-344  
DATE: July 1, 1980  
COMPLETED BY: G. G. Bair  
TELEPHONE: 503-556-7313  
EXT. 234

### SUMMARY OF OPERATING EXPERIENCE

#### OPERATION:

The plant began the month in Refueling shutdown and ended the month in Cold shutdown. The plant is ready to begin heatup on June 18, 1980, but was prevented from doing so by the NRC due to problems identified with the seismic integrity of the Auxiliary building walls.

#### MAJOR SAFETY-RELATED MAINTENANCE:

Work continued on improvement modifications to the Plant Security and Fire Protection Systems.  
Work completed on the removal of 29 steam generator D row 1 tubes for analysis.  
Work completed on steam generator eddy current testing and resulted in the plugging of 15 tubes in addition to the 29 cut-out tubes.  
Work completed on Local Leak Rate Testing.  
Work continued on modification of walls and pipe restraints.  
Work continued on several TMI-related design modifications (RV head vent, RV water level, containment water level, post LOCA environment electrical equipment, safe shutdown remote instrumentation and decouple switches, separate power supply to steam PORV and AFWP pressure instrument.)  
Work completed on steam-driven auxiliary feedwater pump wheel and self-cooling modification.  
Work completed on endurance testing of the emergency diesel generators and auxiliary feedwater diesel.  
Work completed on the repair of the RHR pump shaft damage that had occurred when a weld rod in the coolant mechanically interfered with the pump rotating parts.

#### LICENSE CHANGES:

Amendment #44; revised the power distribution limits,  $F_{\Delta H}$  and  $F_{xy}$  and changed the control rod insertion limits.  
Amendment #45; revised fuel design specification to allow two region E assemblies to be loaded with stainless-steel pins in place of three periphery pins.

#### MISCELLANEOUS:

The south main feedwater pump was repaired after having previously thrown a turbine blade.  
The motor driven auxiliary feedwater pump was installed.  
The Reactor Coolant Pump oil drip pan modification was installed partially.  
Mt. St. Helens continued to exhibit small amounts of volcanic activity with no impact on the Trojan Plant.

REFUELING INFORMATION REQUEST

1. Name of facility:  
Trojan Nuclear Plant
2. Scheduled date for next refueling shutdown:  
April 1981
3. Scheduled date for restart following refueling:  
July 12, 1980
4. Will refueling or resumption of operation thereafter require a technical specification change or other license amendment?  
Yes  
  
If answer is yes, what, in general, will these be?  
Hot channel factors change; rod insertion limit change; stainless-steel rods in two fuel assemblies.  
If answer is no, has the reload fuel design and core configuration been reviewed by your Plant Safety Review Committee to determine whether any unreviewed safety questions are associated with the core reload (Reference 10 CFR Section 50.59)?  
NA  
  
If no such review has taken place, when is it scheduled?  
NA
5. Scheduled date(s) for submitted proposed licensing action and supporting information:  
Already submitted
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:  
2 fuel assemblies received 3 stainless-steel rods each in place of fuel pins due to vessel internals baffle-plate gap water jetting.
7. The number of fuel assemblies (a) in the core and (b) in the spent fuel storage pool:  
(a) 193            (b) 128
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:  
651
9. The projected date of the last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity:  
April 1988