

OPERATING DATA REPORT

DOCKET NO. 50-344
 DATE October 10, 1978
 COMPLETED BY Gary Bair
 TELEPHONE 503-556-3713
 Ext. 234

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: September, 1978
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: License action regarding the seismic qualification of the Control Building.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>6551</u>	<u>18239</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>1803.7</u>	<u>11095.7</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>2162.9</u>
14. Hours Generator On-Line	<u>0</u>	<u>1801.1</u>	<u>10540.4</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>1508.2</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>5630673</u>	<u>31939219</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>1800580</u>	<u>10450770</u>
18. Net Electrical Energy Generated (MWH)	<u>-3536</u>	<u>1681610</u>	<u>9782324</u>
19. Unit Service Factor	<u>0</u>	<u>27.5</u>	<u>57.8</u>
20. Unit Availability Factor	<u>0</u>	<u>27.5</u>	<u>66.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>23.8</u>	<u>49.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>22.7</u>	<u>47.5</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>1.2</u>	<u>12.8</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:	<u>Not Known</u>	
26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-344

UNIT Trojan

DATE October 10, 1978

COMPLETED BY G. G. Bair

TELEPHONE 503-556-3713
Ext. 234

MONTH September, 1978

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

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 September, 1978

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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
78-2	780317	5	720	C	1	NA	NA	NA	NA

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-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

Docket No: 50-344
Date: October 10, 1978
Completed by: G. G. Bair
Telephone: 503-556-3713
Ext. 234

SUMMARY OF OPERATING EXPERIENCE

OPERATION:

The month began and ended with the reactor in the cold shutdown condition. The plant startup has been delayed pending license action regarding the seismic qualification of the Control Building structure.

A spurious safety injection signal occurred while at cold shutdown. All required equipment operated as required. The cause appeared to be a noisy pressure transmitter (PT-525) that spiked while a periodic instrumentation test was in progress. The transmitter was replaced. Event date September 5, 1978.

MAJOR SAFETY-RELATED MAINTENANCE:

Replaced the number 3 seal on RCP C.

LICENSE CHANGES:

Amendment 31, LCR-78-03, LCA-46: Changes to the plant organization pattern to divide the Chemistry/Radiation Protection Department into two separate departments and other adjustments, Fig. 6.2-2.

Amendment 32, LCR-77-20, LCA-36: Incorporates surveillance requirements for certain ECCS throttle valves to assure that proper flow resistances are maintained; this prevents total pump flow runout at minimum resistance, provides proper flow split, and acceptable level of total ECCS flow at injection points, Section 3/4 5.2 and 3/4 5.3.

Amendment 33, LCR-78-03, LCA-28: Incorporates changes to permit RCS/RHR pump stop for short time periods at shutdown. Incorporates change to P-7 interlock from turbine impulse pressure to correct initial assumption. Clarifies the requirements for ILRT supplemental verification tests. Makes other minor changes. Table 3.3-1, Table 3.3-4, Fig. 3.4-2, Section 3.4.1.6, 3.4.1.2, 3.6.1.2, 6.7, 6.8.

MISCELLANEOUS: On September 5, four men accidentally ingested chlorine gas fumes while work was being done to place the chlorinator in service. All men were examined at hospital; three returned to work on the same day, one returned the next day. Procedure problem and design deficiency were cause of incident.

On September 14 at 0219 a light airplane crashed into three 230 KV supply lines, Allston 1 and 2 and St. Mary's, west of the plant switchyard outside the exclusion area boundary. The crash caused relay action leading to the loss of voltage on H1, A1, and A5 busses. H2 and A2 remained in service from the fourth 230 KV supply line, Rivergate. The west diesel generator being out of service for maintenance was subsequently manually started to energize A1. Normal power was restored the following day.