OPERATING DATA REPORT

DOCKET NO. 50-344
DATE 1-5-82
COMPLETED BY W. O. Nicholson
TELEPHONE 503-556-3713
Ext. 409

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: December 1981
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:
   None
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

Notes

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	8760	46752
12. Number Of Hours Reactor Was Critical	744	6701.9	29463.2
13. Reactor Reserve Shutdown Hours	0	0	2171.8
14. Hours Generator On-Line	744	6494.6	28488.1
15. Unit Reserve Shutdown Hours	0	0	1508.7
16. Gross Thermal Energy Generated (MWH)	2536819	20952094	89518776
17. Gross Electrical Energy Generated (MWH)	816850	6793985	29169371
18. Net Electrical Energy Generated (MWH)	776081	6423930	27530689
19. Unit Service Factor	100.0	74.1	60.9
20. Unit Availability Factor	100.0	74.1	64.2
21. Unit Capacity Factor (Using MDC Net)	96.6	67.9	54.5
22. Unit Capacity Factor (Using DER Net)	92.3	64.9	52.1
23. Unit Forced Outage Rate	0.0	4.9	21.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Refueling, May 1982, 55 days
25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	NA	NA
INITIAL ELECTRICITY	NA	NA
COMMERCIAL OPERATION	NA	NA

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-344
UNIT Trojan
DATE 1-5-82
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MONTH December 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1041	17	1044
2	1043	18	1043
3	1046	19	1043
4	1041	20	1049
5	1034	21	1047
6	1038	22	1046
7	1040	23	1048
8	1042	24	1044
9	1040	25	1045
10	1041	26	1047
11	1040	27	1048
12	1046	28	1044
13	1045	29	1044
14	1043	30	1039
15	1038	31	1043
16	1043		

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.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1981

DOCKET NO. 50-344
UNIT NAME Trojan
DATE 1-5-82
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TELEPHONE 503-556-3713
Ext. 409

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
	None								

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

(9/77)

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO: 50-344
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OPERATION

The plant operated at or near 100% throughout the month of December.

On December 1, 1981, preferred instrument bus Y 24 failed due to the loss of its associated static inverter Y 28. Power to Y 24 was switched from the inverter to instrument bus Y 02 with no effect on plant operation. The inverter has been reenergized on a test load bank to determine the cause of the failure.

The Steam Generator primary-to-secondary leak rate increased over the month from 0.2 gallons per day to about 13 gallons per day. Most of the leakage appears to be from "B" Steam Generator.

The Reactor Coolant System gross gamma activity increased slightly during the month from about 25 μCi/ml to about 29 μCi/ml.

MAJOR SAFETY RELATED MAINTENANCE

Completed semi-annual maintenance on the west emergency diesel generator.

Replaced mechanical seal on the north boron injection tank recirc pump.

Completed modification adding additional valves to the Containment post-accident Hydrogen Analysis System.

MISCELLANEOUS MAINTENANCE

Worked throughout the month attempting to repair failed static inverter Y 28.

Replaced mechanical seal on the south boric acid transfer pump.

Completed semi-annual maintenance on the Joy Air compressors.

Completed annual maintenance on the startup boiler.

LICENSE CHANGES (Effective November 24, 1981)

Amendment 68 - reduces the trip setpoint for high containment pressure as specified in NUREG-0737 "Clarification of TMI Action Plan Requirements".

Amendment 69 - revises requirements for the Fire Protection System.