Portland General Electric Company
Trojan Nuclear Plant
71760 Columbia River Hwy
Rainier, Oregon 97048
(503) 556-3713

November 6, 1989
CPY-292-89

US Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

Monthly Operating Report

In accordance with the Trojan Nuclear Plant Technical Specifications reporting requirements, the Monthly Operating Data Report is submitted for October, 1989.

Sincerely,

C P Yundt

C. P. Yundt
General Manager

CPY:sp
Attachment

c: Mr. John B. Martin
Regional Administrator, Region V
US Nuclear Regulatory Commission

Mr. David Stewart-Smith
Department of Energy
State of Oregon

Resident Inspector

MOR Distribution

8911170181 891031
PDR ADOCK 05000344
R PDC

IE24
1/1

TROJAN NUCLEAR PLANT

Trojan Operating Report

October 1989

OPERATIONS

The plant began the month in Mode 5, finishing the work for a scheduled outage and making preparations for the Plant restart.

On October 1st, the Overtemperature Delta Temperature (OTΔT) setpoints were changed to reflect a new understanding of required temperatures. This information resulted from the investigation into recent problems with the OTΔT portion of the protection system.

The heatup from the outage was commenced on October 1st. The startup was halted when a Pressurizer Safety Valve (PSV-8010B) began experiencing leakage. Troubleshooting was conducted, the pressure lift setpoint was increased and the valve successfully retested. No additional leakage has occurred. The Reactor was taken critical at 1920 on October 3rd.

The Plant reached 97% power on October 4th. The plant is presently being maintained at 97% power as a result of the change made to the Reactor Coolant System maximum average temperature during the setpoint changes referenced above for OTΔT. The plant will remain at this power level until an engineering analysis is completed and changes accomplished to allow us to increase our output.

On October 18th the steam driven Auxiliary Feedwater Pump was taken out of service due to an apparent failure of the controller or governor during testing. Troubleshooting and testing could not duplicate or isolate the problem. After a careful and thorough review of the actions taken the pump was returned to service on October 20th with a daily test program instituted to ensure operability. Because no abnormal results occurred during the daily testing, it was terminated on October 27th. Tests will be performed on the normal frequency, with some supplementary instrumentation and evaluation.

The plant ended the month in Mode 1, at 97% power.

MAINTENANCE

Significant maintenance completed during this period includes:

- Installed nylon discs on the Emergency Nitrogen Regulators.
- Repaired leakage in the Startup Boiler.
- Conducted repairs to the Diesel Fire Pump.
- Repaired the 'B' Waste Gas Oxygen Monitor

APPROVED C P Yundt

Plant General Manager

OPERATING DATA REPORT

DOCKET NO. 50-344
DATE November, 1989
COMPLETED BY F. J. Ulmer
TELEPHONE 503-556-3713
Ext. 4495

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: October, 1989
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): 1153
7. Maximum Dependable Capacity (Net MWe): 1095
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
   No change.
9. Power Level To Which Restricted, If Any (Net MWe): Administrative Restricted to 97% of rated Power.
10. Reasons For Restrictions, If Any: RCS temperature instrument in accuracy assumptions may cause approach of DNB parameters to limits when operating at full load. Administrative restriction in effect until analysis is complete.

Notes

*Change over to daylight savings time adds one (1) hour.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	* 745	7296	115416
12. Number Of Hours Reactor Was Critical	677.7	3959.2	71238.2
13. Reactor Reserve Shutdown Hours	0	0	3387
14. Hours Generator On-Line	673.2	3829.8	70364.7
15. Unit Reserve Shutdown Hours	0	0	3249
16. Gross Thermal Energy Generated (MWH)	2206,786	12641729	224242729
17. Gross Electrical Energy Generated (MWH)	743900	4257042	73786494
18. Net Electrical Energy Generated (MWH)	707601	4014398	69882468
19. Unit Service Factor	90.4	52.5	61.0
20. Unit Availability Factor	90.4	52.5	63.8
21. Unit Capacity Factor (Using MDC Net)	86.7	50.2	56.6
22. Unit Capacity Factor (Using DER Net)	84.1	48.7	53.6
23. Unit Forced Outage Rate	0.	3.4	13.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Annual Refueling Outage, March 21, 1990, 78 days.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

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

	Forecast	Achieved
INITIAL CRITICALITY	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-344
UNIT: Trojan
DATE: November, 1989
COMPLETED BY: F. J. Ulmer
TELEPHONE: 503 556-3713 ext4495

MONTH October, 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-27	17	1061
2	-33	18	1062
3	-33	19	1066
4	742	20	1066
5	1065	21	1064
6	1060	22	1067
7	1064	23	1068
8	1062	24	1071
9	1061	25	1067
10	1066	26	1068
11	1070	27	1071
12	1066	28	1071
13	1065	*29	1072
14	1067	30	1071
15	1066	31	1068
16	1066		

* Time Change

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 October, 1989

DOCKET NO. 50-344
UNIT NAME Trojan
DATE November, 1989
COMPLETED BY E. J. Ulmer
TELEPHONE 503-556-3713 ext 4195

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
04-89	890916	S	71.8	B	1	N/A	CA	VALVEX	Continued Maintenance Outage for pressurizer safety (PSV-8010C).

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

0177)