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

December 6, 1989
CPY-325-89

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 November, 1989.

Sincerely,

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

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TROJAN NUCLEAR PLANT

Trojan Operating Report

November 1989

OPERATIONS

The plant began the month in Mode 1, at 97% power. The Plant reached 97% power on October 4th. The plant is presently being maintained at 97% power as a result of an administrative reduction in Reactor Coolant System average temperature (T_{AVE}). This resulted from changes to the Over Temperature Delta Temperature setpoints to reflect the plants safety analysis assumptions. 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 November 1st, a series of short duration alarms of Main Generator field grounds were received. Various attempts were made to locate the source of the grounds with no success. Monitoring equipment has been installed to monitor for grounds.

On November 8th, a spurious high alarm on the Containment radiation monitor (PRM-1D), caused an automatic closure of the hydrogen vent Containment isolation valves. The source of the spurious signal has not been determined. The effected PRM and the other associated PRMs were satisfactorily retested. PRM-1D was restored to service. A noise suppression circuit is being installed to reduce spurious signals.

On November 13th, the 'C' Main Steam Isolation Valve Bypass failed to close during the performance of testing. The valve was isolated in accordance with the Trojan Technical Specifications.

On November 20th, several problems were identified with the performance of fire protection surveillances. All work on fie detectors and alarm supervision systems was stopped until a review of fire barrier inspections was completed. A special task force has been formed to review past and scheduled surveillances in other areas to assure that none are missed, and to develope a program to schedule all surveillances under one program with the responsibility residing with Plant Planning and Scheduling.

On November 30th, the number 1 seal water leak off flow indicator for Reactor Coolant Pump number 2 failed. The failure was identified as a loose fuse clip. The problem was fixed and verified not to exist on any other seal water leak off flow indicators.

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

MAINTENANCE

Significant maintenance completed during this period includes:

- Repaired the 'A' SO_2 Detector.
- Repaired the Sullair Air Compressor.

APPROVED C P Yundt

Plant General Manager

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH November, 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1069	17	1066
2	1069	18	1071
3	1067	19	1070
4	1070	20	1069
5	1069	21	1069
6	1071	22	1070
7	1071	23	1068
8	1070	24	1071
9	1068	25	1072
10	1066	26	1072
11	1066	27	1071
12	1069	28	1071
13	1069	29	1071
14	1069	30	1073
15	1069	31	NA
16	1069		

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.

OPERATING DATA REPORT

DOCKET NO. 50-344
DATE December, 1989
COMPLETED BY F. J. Ulmer
TELEPHONE 503-556-3713
Ext. 495

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: November, 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.

Notes

9. Power Level To Which Restricted, If Any (Net MWe): Administratively restricted to 97% of rated power.
10. Reasons For Restrictions, If Any:

RCS temperature instrument inaccuracy Assumptions and impact on average temperature limit (589°F) and over-temperature/overpower setpoint alarms - management hold.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	8016	116136
12. Number Of Hours Reactor Was Critical	720	4679.2	71958.2
13. Reactor Reserve Shutdown Hours	0	0	3387
14. Hours Generator On-Line	720	4549.8	71084.7
15. Unit Reserve Shutdown Hours	0	0	3249
16. Gross Thermal Energy Generated (MWH)	2381756	15023485	226624485
17. Gross Electrical Energy Generated (MWH)	804585	5061627	74591079
18. Net Electrical Energy Generated (MWH)	770073	4784471	70652541
19. Unit Service Factor	100	56.8	61.2
20. Unit Availability Factor	100	56.8	64.0
21. Unit Capacity Factor (Using MDC Net)	97.7	54.5	56.8
22. Unit Capacity Factor (Using DER Net)	94.7	52.8	53.8
23. Unit Forced Outage Rate	0	2.8	13.2

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

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-344
UNIT NAME Trojan
DATE December, 1989
COMPLETED BY E. J. Ulmer
TELEPHONE 503-556-3713 ext 495

REPORT MONTH November, 1989

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
									No Entries

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

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