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

February 9, 1990
CPY-055-90

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 January, 1990.

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

IE24
1/1

TROJAN NUCLEAR PLANT

Trojan Operating Report

January 1990

OPERATIONS

The Plant began the month in Mode 1, at 97% power and ended the month at 100% power. The Plant commenced a power increase from 97% power on January 12th and reached 100% power at 0808 on January 14th. The power increase was performed in accordance with a Temporary Plant Test after necessary engineering analysis and management reviews were completed. The hold at 97% power was 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 Plant's safety analysis assumptions. The Plant remained at the 97% power level until an engineering analysis was completed and changes accomplished to allow an increase in our output.

On January 8th, a major storm system affected the transmission system resulting in a 30 MWe swing in turbine load. The plant responded as designed to the turbine load changes.

The Plant ended the month in Mode 1, at 100% power.

MAINTENANCE

Significant maintenance completed during this period includes:

- Dredged the river intake structure service water bays to remove silt accumulation.

APPROVED _____
Plant General Manager

OPERATING DATA REPORT

DOCKET NO. 50-344
DATE February, 1990
COMPLETED BY F. J. Ulmer
TELEPHONE 503-556-3713
Ext. 4495

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: January, 1990
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
Administrative restriction to 97% of rated output removed on January 12, 1990.

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	117624
12. Number Of Hours Reactor Was Critical	744	744	73702.2
13. Reactor Reserve Shutdown Hours	0	0	3387
14. Hours Generator On-Line	744	744	72572.7
15. Unit Reserve Shutdown Hours	0	0	3249
16. Gross Thermal Energy Generated (MWH)	2507653.4	2507653.4	79418504.4
17. Gross Electrical Energy Generated (MWH)	843215	843215	76214054
18. Net Electrical Energy Generated (MWH)	807744	807744	72204871
19. Unit Service Factor	100	100	61.7
20. Unit Availability Factor	100	100	64.5
21. Unit Capacity Factor (Using MDC Net)	99.2	99.2	57.3
22. Unit Capacity Factor (Using DER Net)	96.1	96.1	54.3
23. Unit Forced Outage Rate	0	0	12.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
    Annual Refueling Outage, March 21, 1990 (85 days)

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Cor...mercial 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: February, 1990
COMPLETED BY: F. J. Ulmer
TELEPHONE: 503 556-3713 ext4495

MONTH January, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1069	17	1098
2	1069	18	1099
3	1068	19	1101
4	1067	20	1100
5	1066	21	1100
6	1066	22	1097
7	1066	23	1100
8	1065	24	1101
9	1063	25	1101
10	1066	26	1101
11	1068	27	1088
12	1074	28	1097
13	1084	29	1099
14	1095	30	1097
15	1098	31	1097
16	1097		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-344
UNIT NAME Trojan
DATE February, 1990
COMPLETED BY E. J. Ulmer
TELEPHONE 503-556-3713 ext 495

REPORT MONTH January, 1990

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

(9/77)

Nuclear generating record form

nuclear engineering INTERNATIONAL

Return by

14 FEBRUARY 1990

Please fill in below the regular monthly nuclear generation statistics (see notes overleaf) and send the completed form to:

Jim Varley
Editor
Nuclear Engineering International
Quadrant House, The Quadrant,
Sutton, Surrey SM2 5AS,
England

Tel: 1 (London)-661 3318 Fax: 1 (London)-661 8904 Telex: 892004 REEDBP G

Nuclear generation figures for month of **JANUARY 1990**

Name and address of utility Portland General Electric Company, Trojan Nuclear Plant

71760 Columbia River Hwy, Rainier, Oregon 97048

Name of station(s)	Month's generation MWh gross	Cumulative generation MWh gross	Hours on line	Output (capacity)	
				Design gross	Licensed gross
See Attachments					

Reasons for outage: Please give below duration of and reasons for planned outage (refuelling, routine maintenance etc) and forced outage

Continue overleaf if necessary

These nuclear generating statistics are required for L.R. Howles' regular reviews of nuclear power station achievement, which are published every quarter in *Nuclear Engineering International*. This series of articles, which includes an annual achievement summary, is now widely recognised as the leading independent analysis of worldwide reactor performance.

The following notes may assist you to complete the form:

Utility name and address: It is important this appears on the form for reference purposes. A company stamp would be appropriate.

Generation figures: Calculations are made on gross generation figures but if both nett and gross monthly and cumulative figures are available, it would be helpful if both could be quoted. Cumulative generation figures should include ALL electricity generated. If only that electricity generated after commercial takeover is included, it would be useful if the quantity of electricity generated before takeover could be stated.

Hours on line: The statement of this figure will enable further analysis to be published in our reviews.

Output: Both as originally designed and current maximum licensed capacity are called for as both are used in our analysis. If you could state them once, they need not be repeated each month unless any change is made for any reason.

Reason for outage: Planned outages for refuelling, maintenance, annual inspection, retrofit etc. should be indicated and the reason for any forced outage.