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

February 8, 1991
WRR-037-91

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, 1991.

Sincerely,

W. R. Robinson
Plant General Manager

WRR:wm
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

TROJAN NUCLEAR PLANT

Trojan Operating Report

January 1991

OPERATIONS

The plant entered the reporting period in Mode 1 operating at 100% nominal reactor power and continued to operate at 100% nominal reactor power until 0030 on January 12, 1991 when a load reduction to 90% was commenced for main turbine valve testing. Reactor power was reduced to 90% at 0110 and the valve testing was completed at 0125 on January 12, 1991. Reactor power was returned to 100% power at 0235 on January 12, 1991 and the plant continued to operate at 100% nominal reactor power until 0037 on January 19, 1991 when a power reduction to 85% was commenced to perform incore flux mapping.

Reactor power was stabilized at 85% on January 19, 1991 at 0446. The flux mapping at 85% power was completed and a reactor power increase to 100% was commenced at 1216 on January 19, 1991. Reactor power was returned to 100% at 1554 on January 19, 1991.

The plant continued to operate at 100% nominal reactor power until 0213 on January 26, 1991 when a power reduction to 90% was commenced for main turbine valve testing. Reactor power was reduced to 90% at 0233 and the main turbine valve testing was completed at 0241 on January 26, 1991. Power was returned to 100% at 0440 on January 26, 1991 and the plant continued to operate at 100% nominal reactor power for the remainder of the reporting period.

The containment narrow range sump level channel (LT-4208A1) was determined to be inoperable at 1050 on January 15, 1991 and alternate monitoring for the sump level was established at 1055 on January 15, 1991. The NRC was notified, per the Technical Specification requirements, of the channel failure at 1035 on January 18, 1991 after it was concluded that the sump narrow range level channel would not be restored within the 72 hour Technical Specification time limit. The level channel will be restored to service during the 1991 refueling outage.

A seal table leak alarm occurred at 1605 on January 22, 1991 and the plant declared an Unusual Event at 1730 on January 22, 1991 due to suspected pressure boundary leakage at the seal table. The seal table leakage was isolated at 2023 on January 22, 1991. Due to the failed tube being one of 32 new thimble tubes installed in the 1990 refueling outage, the remaining 31 tubes were also isolated because of a concern over possible multiple failures. A JCO was issued by the plant on February 1, 1991 to address continued plant operation with the 32 thimble tubes isolated.

MAINTENANCE COMPLETED

Significant maintenance completed during the month:

- Various surveillances and preventative maintenance.

OPERATING DATA REPORT

DOCKET NO. 50-344
DATE Feb. 1991
COMPLETED BY P. J. Ulmer
TELEPHONE 503-556-7495

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: January 1991
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: n/a

Notes Updated Cumulative Reactor Critical hours for 1990 are:

1/90-73446.2	6/90-74572.6	12/90-78512.7
2/90-74118.2	7/90-75131.2	
3/90-74572.6	8/90-75845.7	
4/90-74572.6	9/90-76425.6	
5/90-74572.6	10/90-77048.7	
	11/90-77768.7	

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	126384
12. Number Of Hours Reactor Was Critical	744	744	79256.7
13. Reactor Reserve Shutdown Hours	0	0	3387
14. Hours Generator On-Line	744	744	77777.3
15. Unit Reserve Shutdown Hours	0	0	3249
16. Gross Thermal Energy Generated (MWH)	2532467	2532467	250521658
17. Gross Electrical Energy Generated (MWH)	857290	857290	82644169
18. Net Electrical Energy Generated (MWH)	813614	813614	78284537
19. Unit Service Factor	100	100	61.5
20. Unit Availability Factor	100	100	64.1
21. Unit Capacity Factor (Using MDC Net)	99.9	99.9	57.8
22. Unit Capacity Factor (Using DER Net)	96.8	96.8	54.8
23. Unit Forced Outage Rate	0	0	12.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Annual Refueling Outage, March 27, 1991 (100 days)

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-344
UNIT: Trojan
DATE: Feb. 1991
COMPLETED BY: F. J. Ulmer
TELEPHONE: 503 556-7495

MONTH January, 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1107	17	1093
2	1103	18	1094
3	1101	19	1006
4	1099	20	1095
5	1102	21	1097
6	1102	22	1096
7	1101	23	1087
8	1101	24	1095
9	1102	25	1098
10	1100	26	1093
11	1097	27	1099
12	1080	28	1098
13	1085	29	1097
14	1090	30	1098
15	1093	31	1095
16	1094		

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 January, 1991

DOCKET NO. 50-344
UNIT NAME Trojan
DATE Feb., 1991
COMPLETED BY E. J. Ulmer
TELEPHONE 503-556-3713 ext 495

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	Licensee Event Report #	System Code[4]	Component Codes[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