OPERATING DATA REPORT

DOCKET NO. 50-344
DATE Nov. 1987
COMPLETED BY F. J. Ulmer
TELEPHONE 503-556-3713
Ext. 495

OPERATING STATUS

1. Unit Name: Trojan Nuclear Plant
2. Reporting Period: October 1987
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): 1133
7. Maximum Dependable Capacity (Net MWe): 1075
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

None

Notes

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	745 *	7296	97872
12. Number Of Hours Reactor Was Critical	702.7	3698.2	60321.2
13. Reactor Reserve Shutdown Hours	0	0	3887
14. Hours Generator On-Line	692.9	3603.2	59643.2
15. Unit Reserve Shutdown Hours	0	0	3249
16. Gross Thermal Energy Generated (MWH)	1900396	10518112	188373434
17. Gross Electrical Energy Generated (MWH)	612002	3428314	61680744
18. Net Electrical Energy Generated (MWH)	579569	3231669	58413204
19. Unit Service Factor	93.0	49.4	60.9
20. Unit Availability Factor	93.0	49.4	64.3
21. Unit Capacity Factor (Using MDC Net)	72.4	41.2	56.0
22. Unit Capacity Factor (Using DER Net)	68.8	39.2	52.8
23. Unit Forced Outage Rate	7.0	3.2	13.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

N/A

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

* Time change

IE24 (9/77)
1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-344
UNIT: Trojan
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MONTH October 1987

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-33	17	937
2	465	18	901
3	626	19	916
4	622	20	911
5	620	21	711
6	619	22	-16
7	620	23	427
8	781	24	870
9	802	25	1084 (daylight saving time)
10	874	26	1058
11	853	27	982
12	884	28	984
13	871	29	993
14	888	30	1039
15	917	31	1038
16	906		

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 October 1987

DOCKET NO. 50-344
UNIT NAME Trojan
DATE November 1987
COMPLETED BY F. 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 Code[5]	Cause & Corrective Action to Prevent Recurrence
87-05	10-1-87	F	24.5	A	1	N/A	SF	Valvex	Forced outage continued from 9-28-87 due to excessive chemical volume control system leakage.
87-06	10-21-87	F	27.6	A	1	N/A	RB	CRDRVE	Rod control system problem caused manual shutdown @ 1844 to repair a failed diode on control rod drive moveable gripper assembly for control rod M-8 in control bank D. The failure caused the rod to slip down when other rods in the same bank were moved. The gripper was repaired and the plant returned to service October 22, 1987 @ 2220.

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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TROJAN NUCLEAR PLANT

Summary of Operating Experience - October 1987

The plant entered the month in Mode 3. The plant returned to operation on October 2 and power was increased to 65%.

The north main feedwater pump, which had been out of service since September 7 due to damaged turbine blades, was returned to operation on October 7. With both feedwater pumps back in service power was increased to 75% for physics testing. Until October 21, power was varied between 75% and 95% based on ambient air temperature and the ability to maintain sufficient condenser vacuum.

On October 21 during a minor power reduction evolution, control rod M-8 dropped from about 210 steps to 72 steps. To perform troubleshooting, a plant shutdown was initiated at about 1850 hours. The cause of the dropped rod was a faulty diode in the rod control system. The diode was replaced, and following other minor maintenance, a plant startup was initiated. Mode 2 was entered at 1428 hours on October 22 and the generator was synchronized to the grid at 2220 hours. As of October 23, a power level of 30% had been attained. On October 25 the west circulating water pump motor, which had been undergoing repairs for the phase to ground fault which occurred on August 31, was returned to service. A power level of 100% was attained at this time.

On October 26, power was reduced to 90% due to the reactor core power distribution being out-of-specification. Power was returned to 100% on October 30 following the replacement of a failed pressurizer pressure transmitter which was required to be operable to perform a 100% power nuclear instrumentation calibration.

Maintenance

The following major maintenance was completed during October:

- Repaired the 'B' main feedwater pump turbine
- Replaced the 'A' circulating water pump motor
- Repaired the liner for the neutralizing tank in the make-up water treatment system.
- The startup transformers were inspected and routine maintenance performed
- Replaced pressurizer pressure transmitter PT-455
- Replaced the packing in the 'A' condensate pump

License Amendments

One Amendment to the Trojan Operating License was received:

Amendment 135 - Revised the Administrative Controls in the Technical Specifications to clarify the approval required for temporary changes to procedures.

Portland General Electric Company
Trojan Nuclear Plant
P.O. Box 439
Rainier, Oregon 97048
(503) 556-3713

November 9, 1987
CAO-401-87

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 1987.

Sincerely,

C. A. Olmstead

C. A. Olmstead
General Manager

Attachment

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

Mr. David O. Kish
Acting Director
Department of Energy
State of Oregon

Resident NRC Inspector

MOR Distribution

IE24
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