



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

December 6, 1990
WRR-165-90

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 November, 1990.

Sincerely,

W. R. Robinson
W. R. Robinson
Plant General Manager

WRR: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 1990

OPERATIONS

The plant entered the reporting period in Mode 1 under an administrative power hold of 98% reactor power due to delta-T limit concerns. Plant operation continued at 98% power until 1648 on November 14, 1990 when the Plant General Manager released the 98% power hold following recalibration of loop delta-T instrumentation. At this time, the plant began increasing reactor power to 100%. The plant reached 100% power at 1840 on November 14, 1990 and continued to operate at 100% power until 0300 on November 17, 1990.

Reactor power was reduced to 90% at 0318 on November 17 to perform main turbine stop valve full stroke testing. The plant was returned to 100% reactor power at 0418 on November 17, 1990. The plant continued to operate at 100% reactor power for the remainder of the reporting period.

MAJOR MAINTENANCE COMPLETED

Significant maintenance completed during the month:

- Recalibration of loops 1, 2, and 4 delta-T instrumentation.
- Repair of "B" EDG decoupler circuit relay.
- Various surveillances and preventative maintenance.

Approved *C. P. [Signature]*
Plant General Manager

OPERATING DATA REPORT

DOCKET NO. 50-344
 DATE Dec., 1990
 COMPLETED BY F. J. Ulmer
 TELEPHONE 503-556-3713
 Ext. 7495

OPERATING STATUS

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

Notes

Unit shutdowns and power reductions duration column value is 132.1 hours for October, 1990.

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	<u>720</u>	<u>8016</u>	<u>124896</u>
12. Number Of Hours Reactor Was Critical	<u>720</u>	<u>5066.6</u>	<u>78024.8</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>3387</u>
14. Hours Generator On-Line	<u>720</u>	<u>4915.1</u>	<u>76289.3</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>3249</u>
16. Gross Thermal Energy Generated (MWH)	<u>2433064</u>	<u>16505820</u>	<u>245450077</u>
17. Gross Electrical Energy Generated (MWH)	<u>826790</u>	<u>5552185</u>	<u>80923024</u>
18. Net Electrical Energy Generated (MWH)	<u>787302</u>	<u>5251825</u>	<u>76648952</u>
19. Unit Service Factor	<u>100.0</u>	<u>61.3</u>	<u>61.1</u>
20. Unit Availability Factor	<u>100.0</u>	<u>61.3</u>	<u>63.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.9</u>	<u>59.8</u>	<u>57.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.8</u>	<u>58.0</u>	<u>54.3</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>7.8</u>	<u>13.0</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling, March 1991 - 69 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	<u>N/A</u>	<u>N/A</u>
INITIAL ELECTRICITY	<u>N/A</u>	<u>N/A</u>
COMMERCIAL OPERATION	<u>N/A</u>	<u>N/A</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-344

UNIT: Trojan

DATE: December, 1990

COMPLETED BY: F. J. Ulmer

TELEPHONE: 503 556-3713
ext7495

MONTH November, 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1078</u>	17	<u>1103</u>
2	<u>1077</u>	18	<u>1109</u>
3	<u>1075</u>	19	<u>1108</u>
4	<u>1072</u>	20	<u>1107</u>
5	<u>1076</u>	21	<u>1105</u>
6	<u>1080</u>	22	<u>1104</u>
7	<u>1083</u>	23	<u>1103</u>
8	<u>1082</u>	24	<u>1102</u>
9	<u>1079</u>	25	<u>1108</u>
10	<u>1079</u>	26	<u>1109</u>
11	<u>1079</u>	27	<u>1107</u>
12	<u>1078</u>	28	<u>1108</u>
13	<u>1079</u>	29	<u>1105</u>
14	<u>1088</u>	30	<u>1108</u>
15	<u>1106</u>	31	<u>-</u>
16	<u>1107</u>		

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 November, 1990

DOCKET NO. 50-344
 UNIT NAME Trojan
 DATE December, 1990
 COMPLETED BY E. L. Ulmer
 TELEPHONE 503-556-3713
 ext 7495

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License 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 of 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 Sc.am.
 4-Other (Explain)

⁴
 Exhibit G - Instructions for preparation of Data Entry Sheets for License Event Report (LER) File (NUREG-0161)

⁵
 Exhibit F - Same Source