



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

September 12, 1991  
WRR-212-91

Trojan Nuclear Plant  
Docket 50-344  
License NPF-1

U.S. Nuclear Regulatory Commission  
Attn: 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 August, 1991.

Sincerely,

*Stephen M. Henry*  
for W. R. ROBINSON

W. R. Robinson  
Plant General Manager

Attachment

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

Mr. David Stewart-Smith  
State of Oregon  
Department of Energy

Mr. R. C. Barr  
NRC Resident Inspector  
Trojan Nuclear Plant

TROJAN NUCLEAR PLANT

Trojan Monthly Report

August 1991

OPERATIONS

The plant entered the reporting period in Mode 5 performing modifications to the Electrical Penetration Assemblies and preparing for reduced inventory operations to allow for further eddy current inspection of the steam generator tubes. The inspection program was a result of metallurgical examinations conducted on a steam generator tube pulled earlier in the outage. The examinations indicated that significant Intergranular Attack of the tube had occurred at several tube support locations.

The plant commenced a Reactor Coolant System (RCS) drain down at 1610 on July 31. The drain down was secured at 2003 on July 31 because of discrepancies between RCS level indications. Repairs to the level indicators were completed at 1415 on August 1. The RCS drain down was recommenced at 1415 on August 1 and secured at 0246 on August 2 with level at 61 feet 2-inches. The removal of the steam generator manways was completed at 1824 on August 3.

A one hundred percent motorized rotating pancake coil eddy current inspection of the first five support plate intersections was conducted on all four steam generators, in addition to selected inspections at the sixth and seventh intersections.

The 'C' steam generator was drained at 1215 on August 30 in preparation for sleeving operations.

A grid lightning strike at 1327 on August 7 resulted in loss of one of the off-site power sources. The off-site power source was restored at 1331 on August 7.

The reporting period ended with the plant in Mode 5 performing post maintenance testing of electrical penetration assemblies, recalibration of the reactor vessel level indication system, diesel driven auxiliary feedwater pump maintenance, turbine auxiliary feedwater pump inspection and steam generator tube plugging and sleeving.

MAINTENANCE

Significant maintenance completed during the month:

- Main Generator air drop test.
- 'B' SO<sub>2</sub> detector repairs.
- Maintenance on LT 1040 and LG 1040C (RCS level indication).
- Various surveillances, preventative maintenance and outage work.

# OPERATING DATA REPORT

DOCKET NO. 50-344  
 DATE SEPTEMBER, 1991  
 COMPLETED BY F. J. Ulmer  
 TELEPHONE (503) 556-7495

## OPERATING STATUS:

1. Unit Name	1.0 Jan Nuclear Plant	Notes:	
2. Reporting Period	AUGUST, 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 No. 3 through 7) Since Last Report, Give Reasons	N/A		
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	5831	131471
12. Number of Hours Reactor Was Critical	0	1409	79921.7
13. Reactor Reserve Shutdown Hours	0	0	3387
14. Hours Generator On-Line	0	1398.2	79886.0
15. Unit Reserve Shutdown Hours	0	0	3249
16. Gross Thermal Energy Generated (MWH)	0	4716937	252706128
17. Gross Electrical Energy Generated (MWH)	0	1590870	83377749
18. Net Electrical Energy Generated (MWH)	-3273	1481308	70952231
19. Unit Service Factor	0	24.0	60.0
20. Unit Availability Factor	0	24.0	62.5
21. Unit Capacity Factor (Using MDC Net)	-0.4	23.2	56.0
22. Unit Capacity Factor (Using DER Net)	-0.4	22.5	53.1
23. Unit Forced Outage Rate	0	31.5	13.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each):	Currently in cycle 14 refueling outage		
25. If Shut Down at End of Report Period, Estimated Date of Startup:	October 1991		
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	

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-344
UNIT	TROJAN
DATE	SEPTEMBER, 1991
COMPLETED BY	F. J. ULMER
TELEPHONE	(503) 556-7495

MONTH: AUGUST, 1991

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

## 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 August, 1991

DOCKET NO. 50-344  
UNIT NAME Trojan  
DATE September, 1991  
COMPLETED BY F. J. Ulmer  
TELEPHONE (503) 556-7495

NO.	DATE	TYPE <sup>1</sup>	DURATION HOURS	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	LICENSE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
N/A	910327	S	744	C	1	N/A	N/A	N/A	Annual Refueling outage and steam generator repairs.

1. F: Forced  
S: Scheduled

## 2. REASON:

A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training &  
Licensing 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 1 - Same Source