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AUTH.NAME AUTHOR AFFILIATION
EMBREE,D.G. Washington Public Power Supply System
SMITH,G.O. Washington Public Power Supply System
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Apr 1994 for WNP 2.W/940505 ltr.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • 3000 George Washington Way • Richland, Washington 99352-0968 • (509) 372-5000

May 5, 1994
G02-94-105

Docket No. 50-397

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Dear Sirs:

Subject: **NUCLEAR PLANT NO. 2**
MONTHLY OPERATING REPORT
APRIL 1994

Transmitted herewith is the Monthly Operating Report for the month of April, 1994 as required by our Technical Specifications 6.9.1.6.

Sincerely,

G. O. Smith
Operations Division Manager (MD 927O)

GOS:DGE

cc: Mr. W.H. Lovelace, NRC, Washington, DC
Mr. K.E. Perkins, NRC Region V
Mr. R.C. Barr, NRC Resident Inspector (927N)
Mr. J.T. Wheelock, INPO
Mr. C. Bergesen, Utility Data Institute
Mr. J.T. Irish, BPA (399)

IE24

OPERATING STATUS REPORT
for WNP-2

Date: May 1, 1994

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1. Docket: 50-397
2. Reporting Period: **APRIL 1994** Outage + On-Line Hours: 719.0
3. Utility Contact: **David G. Embree** (509) 377-8448
4. Licensed Thermal Power (MW_t): 3323
5. Nameplate Rating (Gross MW_e): 1200.9
6. Design Electrical Rating (Net MW_e): 1120
7. Maximum Dependable Capacity (Gross MW_e): 1132
8. Maximum Dependable Capacity (Net MW_e): 1086
9. If changes occur above since last report, give reasons: n/a

10. Power to which restricted, if any (Net MW_e):
11. Reasons for restrictions, if any:

		MONTH	YEAR	CUMULATIVE
12.	Report Period Hours	719.0	2,879.0	82,207.2
13.	Hours Reactor Critical	609.2	2,769.2	58,879.4
14.	Rx Reserve Shutdown Hours	0.0	0.0	340.4
15.	Hours Generator On-Line	609.2	2,769.2	56,836.2
16.	Unit Reserve Shutdown Hours	0.0	0.0	381.7
17.	Gross Thermal Energy (MWH)	1,409,094	8,330,944	167,092,250
18.	Gross Electrical Energy (MWH)	464,570	2,846,410	56,158,620
19.	Net Electrical Energy (MWH)	437,863	2,727,163	53,812,548
20.	Unit Service Factor	84.7%	96.2%	69.1%
21.	Unit Availability Factor	84.7%	96.2%	69.6%
22.	Unit Capacity Factor (MDC Net)	56.1%	87.2%	59.9%
23.	Unit Capacity Factor (DER Net)	54.4%	84.6%	59.4%
24.	Unit Forced Outage Rate	12.3%	3.0%	12.3%
25.	Forced Outage Hours	85.8	85.8	7,971.1

26. Shutdowns scheduled over the next 6 months (type, date, duration):
Annual Refueling Outage, April 30, 1994, about 60 days.
27. If currently shutdown estimated startup date: June 29, 1994

Note: Cumulative Unit Capacity Factors (MDC & DER) are calculated with weighted averages.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-397
UNIT: WNP-2
DATE: May 1, 1994
COMPLETED BY: D. G. Embree
TELEPHONE: (509) 377-8448

REPORT PERIOD: APRIL 1994

DAY	AVERAGE DAILY POWER LEVEL (Net MWe)	DAY	AVERAGE DAILY POWER LEVEL (Net MWe)
1	652	16	719
2	663	17	849
3	655	18	723
4	673	19	721
5	672	20	729
6	664	21	738
7	670	22	722
8	683	23	699
9	704	24	792
10	686	25	707
11	690	26	284
12	863	27	-19
13	842	28	-14
14	792	29	-15
15	742	30	-14

INSTRUCTIONS

On this form, list the average daily unit power level in MWe (net) for each day in the reporting month. Compute to the nearest whole megawatt.

These figures will be used to plot a graph for each reporting month. Note that when maximum dependable capacity is used for the net electrical rating of the unit, there may be occasions when the daily average power level exceeds the 100% line (or the restricted power level line). In such cases, the average daily unit power output sheet should be footnoted to explain the apparent anomaly.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-397
UNIT NAME: WNP-2
DATE: May 1, 1994
COMPLETED BY: D.G. Embree
TELEPHONE: (509) 377-8448

REPORT PERIOD: APRIL 1994

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause and Corrective Action To Prevent Recurrence
94-02	April 26	F	85.8	A	2	94-008	CB	INSTRU	While operating at a reduced power level (~50%), control room operators observed slight fluctuations in power range monitors. The reactor was manually scrammed as per the Abnormal Operating Procedures. An investigation into the reactor power fluctuations showed that small changes in recirc flow control valve position indication caused corresponding changes to reactor coolant flow and reactor power. A malfunctioning valve position transmitter will be repaired during the annual refueling outage.
94-03	April 30	S	24.0	C	9	—	RC	FUELXX	Plant officially entered the annual refueling outage (R-9) on April 30.

SUMMARY: WNP-2 operated near 65% power entering a forced outage at the end of the month as the result of a manual scram. The plant began the annual refueling outage on the last day of the month.

TYPE	REASON		METHOD	SYSTEM & COMPONENT
F - Forced S - Scheduled	A - Equipment Failure B - Maintenance or Test C - Refueling D - Regulatory Restriction	E - Operator Training & License Examination F - Administration G - Operational Error H - Other	1 - Manual 2 - Manual Scram 3 - Auto Scram 4 - Continued 5 - Reduced Load 9 - Other	NUREG-0161 Exhibits F & H