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 AUTH. NAME    AUTHOR AFFILIATION  
 EMBREE, D.G.    Washington Public Power Supply System  
 PARRISH, J.V.    Washington Public Power Supply System  
 RECIP. NAME    RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Aug 1993 for WNP-2.W/930909 ltr.

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Docket No. 50-397

September 9, 1993

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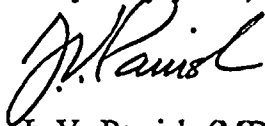
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Dear Sir:

Subject:           **NUCLEAR PLANT NO. 2**  
                  **MONTHLY OPERATING REPORT**  
                  **August 1993**

Transmitted herewith is the Monthly Operating Report for the month of August 1993 as required by our Technical Specifications 6.9.1.6.

Very truly yours,



J. V. Parrish (MD1023)  
Assistant Managing Director of Operations

DE/ja

cc:   Mr. W. H. Lovelace, NRC, Washington, DC  
      Mr. B. H. Faulkenberry, NRC Region V  
      Mr. R. C. Barr, NRC Resident Inspector (901A)  
      Mr. J. T. Wheelock, INPO  
      Mr. C. Bergesen, Utility Data Institute

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## WNP-2 MONTHLY GENERATION STATISTICS FOR AUGUST 1993

### ELECTRICAL & THERMAL GENERATION STATISTICS \*

	Current Month	Calendar Year-to-Date	Fiscal Year-to-Date	Commercial (Dec. 1984)
Gross Thermal (MWHth)	1,618,841	11,900,049	4,070,541	149,064,699
Gross Electrical (MWHe)	549,450	4,098,440	1,391,000	49,947,530
Net Electrical (MWHe) - BPA	527,698			
Off-Site Power Used On-Line	195			
Off-Site Power Used Off-Line	3,388			
Net Electrical (MWHe) - Actual	524,114	3,894,604	1,334,331	47,845,023
Critical Hours	559.0	4,032.5	1,303.0	
Hours On-Line	524.5	3,830.3	1,268.5	
Availability Factor	70.5%	65.7%	85.2%	67.4%
Capacity Factor	63.4%	60.1%	80.6%	57.2%

### REACTOR FUEL USAGE STATISTICS \*

	Current Month	Cycle 9	Since 8/01/93
Full Power Days Used:	20.30	56.87	20.30
Full Power Days Left in Core:		159.13	
Full Power Days Loaded (without FFTR or coastdown)		216	
Equivalent Full Power Days Loaded (with FFTR and coastdown)		255	

\* Electrical and thermal generation statistics and the reactor fuel usage statistics were obtained from WNP-2 Control Room logs and BPA Historical Accounts data.



# OPERATING STATUS REPORT

## for WNP-2

**Date:** September 1, 1993

- |     |   |                               |
|-----|---|-------------------------------|
| 1.  | Docket: 50-397  |                               |
| 2.  | Reporting Period: AUGUST 1993                             | Outage + On-Line Hours: 744.0 |
| 3.  | Utility Contact: David G. Embree (509) 377-8448           |                               |
| 4.  | Licensed Thermal Power (MW <sub>t</sub> ):                | 3323                          |
| 5.  | Nameplate Rating (Gross MW <sub>e</sub> ):                | 1200.9                        |
| 6.  | Design Electrical Rating (Net MW <sub>e</sub> ):          | 1120                          |
| 7.  | Maximum Dependable Capacity (Gross MW <sub>e</sub> ):     | 1165                          |
| 8.  | Maximum Dependable Capacity (Net MW <sub>e</sub> ):       | 1112                          |
| 9.  | If changes occur above since last report, give reasons:   | n/a                           |
| 10. | Power to which restricted, if any (Net MW <sub>e</sub> ): | n/a                           |
| 11. | Reasons for restrictions, if any:                         | n/a                           |

		<u>MONTH</u>	<u>YEAR</u>	<u>CUMULATIVE</u>
12.	Report Period Hours	744.0	5,831.0	76,399.2
13.	Hours Reactor Critical	559.0	4,032.5	53,181.2
14.	Rx Reserve Shutdown Hours	0.0	0.0	340.4
15.	Hours Generator On-Line	524.5	3,830.3	51,138.0
16.	Unit Reserve Shutdown Hours	0.0	0.0	381.7
17.	Gross Thermal Energy (MWH)	1,618,841	11,900,049	149,064,699
18.	Gross Electrical Energy (MWH)	549,450	4,098,440	49,947,530
19.	Net Electrical Energy (MWH)	524,179	3,894,669	47,845,088
20.	Unit Service Factor	70.5%	65.7%	66.9%
21.	Unit Availability Factor	70.5%	65.7%	67.4%
22.	Unit Capacity Factor (MDC Net)	63.4%	60.1%	57.2%
23.	Unit Capacity Factor (DER Net)	62.9%	59.6%	56.9%
24.	Unit Forced Outage Rate	29.5%	13.8%	13.4%
25.	Forced Outage Hours	219.5	612.0	7,885.3

- |     |  |       |
|-----|--|-------|
| 26. | Shutdowns scheduled over the next 6 months (type, date, duration): | None. |
| 27. | If currently shutdown estimated startup date:                      | n/a   |

**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: September 1, 1993  
COMPLETED BY: D. G. Embree  
TELEPHONE: (509) 377-8448

REPORT PERIOD: AUGUST 1993

DAY	AVERAGE DAILY POWER LEVEL (Net MWe)
1	1097
2	1092
3	244
4	-17
5	-14
6	-15
7	-15
8	-14
9	-14
10	-14
11	-17
12	82
13	276
14	792
15	883

DAY	AVERAGE DAILY POWER LEVEL (Net MWe)
16	1089
17	1092
18	1089
19	1089
20	1065
21	1087
22	1094
23	1090
24	1105
25	1104
26	1105
27	1097
28	1098
29	1099
30	1096
31	1095

### 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: September 1, 1993  
 COMPLETED BY: D.G. Embree  
 TELEPHONE: (509) 377-8448

REPORT PERIOD: AUGUST 1993

No.	Date	Type	Hours	Reason	Method	LER Number	System	Component	Cause and Corrective Action To Prevent Recurrence
93-07	8/03/93	F	219.5	A	3	93-027	CD	VALVEX	<p>During performance of a surveillance procedure to calibrate Main Steam Radiation Indicating Switch, the reactor unexpectedly scrammed from 100% power due to a full isolation of the MSIVs.</p> <p>It was discovered that a MSIV pilot valve had been improperly rebuilt during the recent refueling outage. It was correctly rebuilt and the plant was eventually restarted. See LER 93-027 for other corrective actions taken and training evolutions planned.</p>

**SUMMARY:** WNP-2 had one automatic scram during the month of August. Upon completion of required equipment repairs, the plant was restarted and ramped up to full power operation by month's end.

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