

# CATEGORY 1

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 RECIP. NAME                    RECIPIENT AFFILIATION

SUBJECT: Monthly operating rept for Mar 1997 for WNP-2.W/970411 ltr.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

P.O. Box 968 • Richland, Washington 99352-0968

April 11, 1997  
GO2-97-070

Docket No. 50-397


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

Gentlemen:

Subject:           **WNP-2 OPERATING LICENSE NPF-21**  
                      **MONTHLY OPERATING REPORT**  
                      **MARCH 1997**

Transmitted herewith is the Monthly Operating Report for the month of March 1997 as required by Technical Specification 5.6.4.

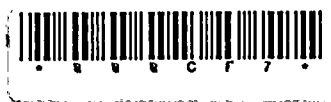
Respectfully,

  
G.O. Smith  
Plant General Manager  
Mail Drop 9270

cc:   EW Merschoff - NRC RIV  
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# OPERATING STATUS REPORT for WNP-2

Date: April 1, 1997

1. Docket: 50-397
2. Reporting Period: **MARCH 1997** Outage + On-line Hours: 633.2
3. Utility Contact: **Bernice Kasko (509) 377-4473**
4. Licensed Thermal Power (MW<sub>t</sub>): 3486
5. Nameplate Rating (Gross MW<sub>e</sub>): 1199
6. Design Electrical Rating (Net MW<sub>e</sub>): 1153
7. Maximum Dependable Capacity - summer (Gross MW<sub>e</sub>): 1153
8. Maximum Dependable Capacity - summer (Net MW<sub>e</sub>): 1107
9. If changes occur above since last report, give reasons: none
10. Power to which restricted, if any (Net MW<sub>e</sub>): none
11. Reasons for restrictions, if any:

|                                    | <u>MONTH</u> | <u>YEAR</u> | <u>CUMULATIVE</u> |
|------------------------------------|--------------|-------------|-------------------|
| 12. Report Period Hours            | 744.0        | 2,160.0     | 107,792.2         |
| 13. Hours Reactor Critical         | 633.2        | 2,049.2     | 77,921.8          |
| 14. Rx Reserve Shutdown Hours      | 0.0          | 0.0         | 1,730.8           |
| 15. Hours Generator On-Line        | 633.2        | 2,049.2     | 75,299.3          |
| 16. Unit Reserve Shutdown Hours    | 110.8        | 110.8       | 2,067.0           |
| 17. Gross Thermal Energy (MWH)     | 1,813,573    | 5,421,553   | 223,267,583       |
| 18. Gross Electrical Energy (MWH)  | 602,390      | 1,793,744   | 75,178,534        |
| 19. Net Electrical Energy (MWH)    | 578,015      | 1,723,807   | 72,032,082        |
| 20. Unit Service Factor            | 85.1%        | 94.9%       | 69.9%             |
| 21. Unit Availability Factor       | 100.0%       | 100.0%      | 71.8%             |
| 22. Unit Capacity Factor (MDC Net) | 70.2%        | 72.1%       | 61.1%             |
| 23. Unit Capacity Factor (DER Net) | 67.4%        | 69.2%       | 60.1%             |
| 24. Unit Forced Outage Rate        | 0.0%         | 0.0%        | 10.1%             |
| 25. Forced Outage Hours            | 0.0          | 0.0         | 8,443.0           |

26. Shutdowns scheduled over the next 6 months (type, date, duration): Refueling outage begins 4/18/97, duration is 60 days

27. If currently shutdown, estimated startup date: 6/19/97

28. Challenges to safety/relief valves: See Table

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



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## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-397  
UNIT: WNP-2  
DATE: April 1, 1997  
COMPLETED BY: B Kasko  
TELEPHONE: (509) 377-4473

REPORT PERIOD: MARCH 1997

| DAY | AVERAGE DAILY POWER LEVEL<br>(Net MWe) |
|-----|--|
| 1   | 613                                    |
| 2   | 606                                    |
| 3   | 1046                                   |
| 4   | 1056                                   |
| 5   | 1017                                   |
| 6   | 1040                                   |
| 7   | 1125                                   |
| 8   | 1139                                   |
| 9   | 1123                                   |
| 10  | 1138                                   |
| 11  | 1140                                   |
| 12  | 1137                                   |
| 13  | 1137                                   |
| 14  | 1025                                   |
| 15  | 1020                                   |

| DAY | AVERAGE DAILY POWER LEVEL<br>(Net MWe) |
|-----|--|
| 16  | 1005                                   |
| 17  | 1008                                   |
| 18  | 897                                    |
| 19  | 877                                    |
| 20  | 898                                    |
| 21  | 565                                    |
| 22  | 595                                    |
| 23  | 589                                    |
| 24  | 590                                    |
| 25  | 631                                    |
| 26  | 764                                    |
| 27  | 364                                    |
| 28  | -14                                    |
| 29  | -15                                    |
| 30  | -14                                    |
| 31  | -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: April 1, 1997  
COMPLETED BY: B Kasko  
TELEPHONE: (509) 377-4473

REPORT PERIOD: MARCH 1997

| No.    | Date    | Type | Hours | Reason | Method | LER Number | System | Component | Cause and Corrective Action To Prevent Recurrence   |
|--------|---------|------|-------|--------|--------|------------|--------|-----------|---|
| 97-08  | 3/21/97 | F    | O     | D      | 1      | 97-003     | IB     | INSTRU    | Entered TS Action Statement 3.0.3 due to TS surveillance response time requirement not met for certain instrumentation.                           |
| 97-09  | 3/27/97 | S    | O     | B      | 1      | N/Z        | CH     | PUMP      | RFW pump trip test followed by RRC automatic runback to 28 Hz.  |
| 97-010 | 3/27/97 | F    | 14.83 | D      | 2      | 97-004     | CB     | INSTRU    | Plant manually scrammed during RFW system testing due to a RRC pump cavitation interlock resulting in a runback to 15 Hz and entry into Region A. |
| 97-011 | 3/28/97 | S    | 96    | H      | 4      | N/A        | ZZ     | ZZZZZZ    | Economic dispatch   |

**SUMMARY:** WNP-2 entered economic dispatch on 3/28/97 and will remain in economic dispatch until the start of the refueling outage.

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

# SRV CHALLENGES

| <u>COMPONENT</u> | <u>DATE</u> | <u>TYPE</u> | <u>REASON</u> |
|------------------|-------------|-------------|---------------|
| MS-RV-4D         | 3/27/97     | B           | E             |
| MS-RV-1A         | 3/27/97     | C           | C             |
| MS-RV-1B         | 3/27/97     | C           | C             |
| MS-RV-1C         | 3/27/97     | C           | C             |
| MS-RV-1D         | 3/27/97     | C           | C             |
| MS-RV-2A         | 3/27/97     | C           | C             |
| MS-RV-2B         | 3/27/97     | C           | C             |
| MS-RV-2C         | 3/27/97     | C           | C             |
| MS-RV-2D         | 3/27/97     | C           | C             |
| MS-RV-3A         | 3/27/97     | C           | C             |
| MS-RV-3B         | 3/27/97     | C           | C             |
| MS-RV-3C         | 3/27/97     | C           | C             |
| MS-RV-3D         | 3/27/97     | C           | C             |
| MS-RV-4A         | 3/27/97     | C           | C             |
| MS-RV-4B         | 3/27/97     | C           | C             |
| MS-RV-4C         | 3/27/97     | C           | C             |
| MS-RV-4D         | 3/27/97     | C           | C             |
| MS-RV-5B         | 3/27/97     | C           | C             |
| MS-RV-5C         | 3/27/97     | C           | C             |
| MS-RV-4C*        | 3/27/97     | C           | C             |
| MS-RV-4A*        | 3/27/97     | C           | C             |

## Type of Actuation

A = Automatic  
 B = Remote Manual  
 C = Spring

## Reason

A = Overpressure  
 B = ADS or other safety  
 C = Test  
 D = Inadvertent (Accidental/Spurious)  
 E = Manual Relief

\*MS-RV-4C and MS-RV-4A were partially opened an additional 4 times each on 3/27/97 for spring set pressure testing for information.