



U.S. Nuclear Regulatory Commission  
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**MAR 0 8 2000**

cc (Enclosure):

NRC Resident Inspector  
Watts Bar Nuclear Plant  
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Spring City, Tennessee 37381

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U.S. Nuclear Regulatory Commission  
Region II  
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ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY  
WATTS BAR NUCLEAR PLANT (WBN)  
MONTHLY OPERATING REPORT  
FEBRUARY 2000

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY  
FEBRUARY 2000**

**I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY**

Watts Bar Nuclear Plant Unit 1 began February 2000 at full power and operated at or near full power for the entire month.

**II. CHALLENGES TO THE PRESSURIZER POWER OPERATED RELIEF VALVES OR PRESSURIZER SAFETY VALVES**

There were no challenges to the pressurizer power operated relief valves or pressurizer safety valves during the month of February 2000.

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: March 1, 2000

COMPLETED BY: R. D. Tolley TELEPHONE: (423) 365-3550

MONTH: February 2000

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,167.2	17.	1,159.8
2.	1,162.3	18.	1,151.9
3.	1,158.7	19.	1,161.4
4.	1,168.1	20.	1,161.1
5.	1,169.4	21.	1,159.8
6.	1,162.4	22.	1,149.6
7.	1,159.2	23.	1,150.5
8.	1,161.6	24.	1,143.6
9.	1,151.0	25.	1,140.9
10.	1,162.7	26.	1,138.7
11.	1,153.0	27.	1,145.3
12.	1,157.0	28.	1,147.0
13.	1,156.9	29.	1,134.1
14.	1,152.5		
15.	1,153.1		
16.	1,154.4		

## OPERATING DATA REPORT

Docket No. **50-390**  
 Date: **March 1, 2000**  
 Completed By: **R. D. Tolley**  
 Telephone: **(423) 365-3550**

- |   |                             |
|---|-----------------------------|
| 1. Unit Name:   | <b><u>WBN Unit 1</u></b>    |
| 2. Reporting Period:  | <b><u>February 2000</u></b> |
| 3. Licensed Thermal Power (MWt):  | <b><u>3411</u></b>          |
| 4. Nameplate Rating (Gross Mwe):  | <b><u>1269.8</u></b>        |
| 5. Design Electrical Rating (Net Mwe):  | <b><u>1150.9</u></b>        |
| 6. Maximum Dependable Capacity (Gross MWe):   | <b><u>1173</u></b>          |
| 7. Maximum Dependable Capacity (Net MWe):   | <b><u>1118</u></b>          |
| 8. If changes Occur in Capacity Rating<br>(Item Numbers 3 through 7) Since Last Report, Give Reasons: | <b><u>N/A</u></b>           |
| 9. Power Level To Which Restricted, If any (net MWe):   | <b><u>N/A</u></b>           |
| 10. Reasons for Restrictions, If any:   | <b><u>N/A</u></b>           |

	<b>This Month</b>	<b>Year-to-Date</b>	<b>Cumulative</b>
11. Hours in Reporting Period	<b>696.0</b>	<b>1440.0</b>	<b>32977.0</b>
12. Number of Hours Reactor was Critical	<b>696.0</b>	<b>1440.0</b>	<b>29933.4</b>
13. Reactor Reserve Shutdown Hours	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
14. Hours Generator On-Line	<b>696.0</b>	<b>1440.0</b>	<b>29795.0</b>
15. Unit Reserve Shutdown Hours	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
16. Gross Thermal Energy Generated (MWh)	<b>2373327</b>	<b>4909928</b>	<b>97701000</b>
17. Gross Electric Energy Generated (MWh)	<b>838075</b>	<b>1737781</b>	<b>33974377</b>
18. Net Electrical Energy Generated (MWh)	<b>803831</b>	<b>1666305</b>	<b>32350052</b>
19. Unit Service Factor	<b>100.0</b>	<b>100.0</b>	<b>90.4</b>
20. Unit Availability Factor	<b>100.0</b>	<b>100.0</b>	<b>90.4</b>
21. Unit Capacity Factor (Using MDC Net)	<b>103.3</b>	<b>103.5</b>	<b>87.7</b>
22. Unit Capacity Factor (Using DER Net)	<b>100.4</b>	<b>100.5</b>	<b>85.2</b>
23. Unit Forced Outage Rate	<b>0.0</b>	<b>0.0</b>	<b>1.7</b>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): See Note below.			
25. If Shutdown at End of Report Period, Estimate Date of Startup: See Note below.			

Note: In accordance with Generic Letter 97-02, this information is currently not needed by NRC.

**UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: FEBRUARY 2000**

DOCKET NO: 50-390  
 UNIT NAME: WBN-1  
 DATE: March 1, 2000  
 COMPLETED BY: R. D. Tolley  
 TELEPHONE: (423) 365-3550

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>4</sup>	Cause and Corrective Action to Prevent Recurrence
									No significant power reductions or shutdowns occurred during this reporting period.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training and License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup> Method  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continuation of Existing Outage  
 5-Reduction  
 9-Other

<sup>4</sup> Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)