



Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

10 CFR 50.4

APR 11 2001

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

Gentlemen:

In the Matter of                                 )  
Tennessee Valley Authority                 )

Docket No. 50-390

WATTS BAR NUCLEAR PLANT (WBN) - MARCH 2001 MONTHLY OPERATING  
REPORT

Enclosed is the March 2001 Monthly Operating Report as required by WBN Technical Specification Section 5.9.4. If you have any questions concerning this matter, please call me at (423) 365-1824.

Sincerely,



P. L. Pace  
Manager, Licensing and Industry Affairs

Enclosure  
cc: See Page 2

IE 24

U.S. Nuclear Regulatory Commission  
Page 2

APR 11 2001

cc (Enclosures):

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

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U.S. Nuclear Regulatory Commission  
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U.S. Nuclear Regulatory Commission  
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Atlanta, Georgia 30303

ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

MARCH 2001

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

## **OPERATIONAL SUMMARY**

### **MARCH 2001**

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

Watts Bar Nuclear Plant Unit 1 began March 2001 at full power. The unit operated at or near full power for the 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 March 2001.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: April 4, 2001

COMPLETED BY: David Flourney TELEPHONE: (423) 365-3803

MONTH: March 2001

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>1,171.3</u>	17.	<u>1,170.3</u>
2.	<u>1,155.1</u>	18.	<u>1,168.5</u>
3.	<u>1,163.1</u>	19.	<u>1,162.8</u>
4.	<u>1,161.8</u>	20.	<u>1,164.4</u>
5.	<u>1,173.2</u>	21.	<u>1,164.2</u>
6.	<u>1,167.2</u>	22.	<u>1,166.0</u>
7.	<u>1,174.6</u>	23.	<u>1,166.4</u>
8.	<u>1,146.6</u>	24.	<u>1,170.5</u>
9.	<u>1,173.5</u>	25.	<u>1,170.5</u>
10.	<u>1,166.3</u>	26.	<u>1,168.4</u>
11.	<u>1,163.2</u>	27.	<u>1,174.4</u>
12.	<u>1,156.6</u>	28.	<u>1,171.3</u>
13.	<u>1,171.1</u>	29.	<u>1,171.7</u>
14.	<u>1,158.8</u>	30.	<u>1,167.6</u>
15.	<u>1,161.9</u>	31.	<u>1,163.8</u>
16.	<u>1,158.4</u>		

## OPERATING DATA REPORT

Docket No. **50-390**  
 Date: **April 4, 2001**  
 Completed By: **D. K. Flourney**  
 Telephone: **(423) 365-3803**

1. Unit Name: **WBN Unit 1**
2. Reporting Period: **March 2001**
3. Licensed Thermal Power (MWt): **3459 - See Note 1**
4. Nameplate Rating (Gross Mwe): **1269.8 - See Note 1**
5. Design Electrical Rating (Net Mwe): **1168**
6. Maximum Dependable Capacity (Gross MWe): **1182**
7. Maximum Dependable Capacity (Net MWe): **1128**
8. If changes Occur in Capacity Rating  
(Item Numbers 3 through 7) Since Last Report, Give Reasons: **See Note 1.**
9. Power Level To Which Restricted, If any (net MWe): **N/A**
10. Reasons for Restrictions, If any: **N/A**

	<b><u>This Month</u></b>	<b><u>Year-to-Date</u></b>	<b><u>Cumulative</u></b>
11. Hours in Reporting Period	<b><u>744.0</u></b>	<b><u>2160.0</u></b>	<b><u>42481.0</u></b>
12. Number of Hours Reactor was Critical	<b><u>744.0</u></b>	<b><u>2160.0</u></b>	<b><u>38808.6</u></b>
13. Reactor Reserve Shutdown Hours	<b><u>0.0</u></b>	<b><u>0.0</u></b>	<b><u>0.0</u></b>
14. Hours Generator On-Line	<b><u>744.0</u></b>	<b><u>2160.0</u></b>	<b><u>38639.3</u></b>
15. Unit Reserve Shutdown Hours	<b><u>0.0</u></b>	<b><u>0.0</u></b>	<b><u>0.0</u></b>
16. Gross Thermal Energy Generated (MWh)	<b><u>2571099</u></b>	<b><u>7433860</u></b>	<b><u>127297156</u></b>
17. Gross Electric Energy Generated (MWh)	<b><u>904740</u></b>	<b><u>2626223</u></b>	<b><u>44363002</u></b>
18. Net Electrical Energy Generated (MWh)	<b><u>867441</u></b>	<b><u>2518236</u></b>	<b><u>42278377</u></b>
19. Unit Service Factor	<b><u>100.0</u></b>	<b><u>100.0</u></b>	<b><u>91.0</u></b>
20. Unit Availability Factor	<b><u>100.0</u></b>	<b><u>100.0</u></b>	<b><u>91.0</u></b>
21. Unit Capacity Factor (Using MDC Net)	<b><u>103.4</u></b>	<b><u>103.4</u></b>	<b><u>88.2</u></b>
22. Unit Capacity Factor (Using DER Net)	<b><u>99.8</u></b>	<b><u>99.8</u></b>	<b><u>85.2</u></b>
23. Unit Forced Outage Rate	<b><u>0.0</u></b>	<b><u>0.0</u></b>	<b><u>1.3</u></b>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<b><u>See Note 2 below.</u></b>		
25. If Shutdown at End of Report Period, Estimate Date of Startup:	<b><u>See Note 2 below.</u></b>		

Note 1: NRC approved a power uprate for WBN 1 from 3411 to 3459 on January 19, 2001.

Generation data reflecting implementation of this uprate is shown in this report.

Note 2: In accordance with Generic Letter 97-02, this information is currently not needed by NRC.

**UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: FEBRUARY 2001**

DOCKET NO: 50-390  
UNIT NAME: WBN-1  
DATE: APRIL 4, 2001  
COMPLETED BY: D. K. Flournoy  
TELEPHONE: (423) 365-3803

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)