



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

MAR 15 2001

10 CFR 50.4

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) - FEBRUARY 2001 MONTHLY OPERATING  
REPORT

Enclosed is the February 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,

A handwritten signature in black ink, appearing to be "P. L. Pace", written in a cursive style.

P. L. Pace  
Manager, Licensing and Industry Affairs

Enclosure  
cc: See Page 2

IE24

U. S. Nuclear Regulatory Commission  
Page 2

Enclosure

cc (Enclosure):

NRC Resident Inspector  
Watts Bar Nuclear Plant  
1260 Nuclear Plant Road  
Spring City, Tennessee 37381

Mr. L. Mark Padovan, Senior Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852-2739

U.S. Nuclear Regulatory Commission  
Region II  
Sam Nunn Atlanta Federal Center  
61 Forsyth St., SW, Suite 23T85  
Atlanta, Georgia 30303

PLP:JLB

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
WATTS BAR NUCLEAR PLANT (WBN)  
MONTHLY OPERATING REPORT  
FEBRUARY 2001

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

## OPERATIONAL SUMMARY

### FEBRUARY 2001

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

Watts Bar Nuclear Plant Unit 1 began February 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 February 2001.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: March 5, 2001

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

MONTH: February 2001

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>1,179.0</u>	17.	<u>1,166.9</u>
2.	<u>1,172.5</u>	18.	<u>1,175.3</u>
3.	<u>1,177.2</u>	19.	<u>1,178.1</u>
4.	<u>1,174.1</u>	20.	<u>1,164.7</u>
5.	<u>1,174.7</u>	21.	<u>1,168.8</u>
6.	<u>1,169.6</u>	22.	<u>1,167.7</u>
7.	<u>1,165.2</u>	23.	<u>1,171.7</u>
8.	<u>1,169.7</u>	24.	<u>1,167.6</u>
9.	<u>1,153.6</u>	25.	<u>1,164.7</u>
10.	<u>1,173.6</u>	26.	<u>1,157.8</u>
11.	<u>1,177.6</u>	27.	<u>1,165.2</u>
12.	<u>1,169.9</u>	28.	<u>1,166.5</u>
13.	<u>1,173.5</u>		
14.	<u>1,154.8</u>		
15.	<u>1,156.4</u>		
16.	<u>1,168.4</u>		

## OPERATING DATA REPORT

Docket No. 50-390  
 Date: March 5, 2001  
 Completed By: D. K. Flournoy  
 Telephone: (423) 365-3803

1. Unit Name: WBN Unit 1
2. Reporting Period: February 2001
3. Licensed Thermal Power (MWt): 3459 - See Note 1
4. Nameplate Rating (Gross Mwe): 1269.8
5. Design Electrical Rating (Net Mwe): 1150.9
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

	<u>This Month</u>	<u>Year-to-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>672.0</u>	<u>1416.0</u>	<u>41737.0</u>
12. Number of Hours Reactor was Critical	<u>672.0</u>	<u>1416.0</u>	<u>38064.6</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>672.0</u>	<u>1416.0</u>	<u>37895.3</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2323718</u>	<u>4862761</u>	<u>124826057</u>
17. Gross Electric Energy Generated (MWh)	<u>818860</u>	<u>1721483</u>	<u>43458262</u>
18. Net Electrical Energy Generated (MWh)	<u>785394</u>	<u>1650795</u>	<u>41410936</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>90.8</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>90.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>103.6</u>	<u>103.4</u>	<u>88.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>100.1</u>	<u>99.8</u>	<u>84.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>1.4</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>See Note 2 below.</u>		
25. If Shutdown at End of Report Period, Estimate Date of Startup:	<u>See Note 2 below.</u>		

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: March 5, 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)