



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

10 CFR 50.4

DEC 15 2000

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

Gentlemen:

In the Matter of ) Docket No. 50-390  
Tennessee Valley Authority )

WATTS BAR NUCLEAR PLANT (WBN) - NOVEMBER 2000 MONTHLY  
OPERATING REPORT

Enclosed is the November 2000 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,

*Rebecca N. Mays*

*for* P. L. Pace  
Manager, Licensing and Industry Affairs

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cc (Enclosure):

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

Mr. Robert E. Martin, Senior Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852

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

**ENCLOSURE**

**TENNESSEE VALLEY AUTHORITY  
WATTS BAR NUCLEAR PLANT (WBN)**

**MONTHLY OPERATING REPORT**

**NOVEMBER 2000**

**UNIT 1**

**DOCKET NUMBER 50-390**

**LICENSE NUMBER NPF-90**

**OPERATIONAL SUMMARY  
NOVEMBER 2000**

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

Watts Bar Nuclear Plant Unit 1 began November 2000 at full power. The unit operated at 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 November 2000.

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: December 8, 2000  
 COMPLETED BY: M. E. Greeno TELEPHONE: (423) 365-1881  
 MONTH: November 2000

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,137.2	17.	1,156.2
2.	1,144.8	18.	1,161.7
3.	1,132.1	19.	1,159.5
4.	1,128.4	20.	1,163.5
5.	1,147.6	21.	1,169.5
6.	1,146.0	22.	1,161.8
7.	1,138.6	23.	1,156.9
8.	1,128.7	24.	1,161.1
9.	1,131.8	25.	1,152.4
10.	1,152.4	26.	1,164.7
11.	1,159.2	27.	1,157.6
12.	1,157.0	28.	1,160.6
13.	1,151.4	29.	1,158.0
14.	1,158.4	30.	1,163.0
15.	1,157.2		
16.	1,161.3		

## OPERATING DATA REPORT

Docket No. **50-390**  
 Date: **December 8, 2000**  
 Completed By: **M. E. Greeno**  
 Telephone: **(423) 365-1881**

- |   |                             |
|---|-----------------------------|
| 1. Unit Name:   | <b><u>WBN Unit 1</u></b>    |
| 2. Reporting Period:  | <b><u>November 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	720.0	8040.0	39577.0
12. Number of Hours Reactor was Critical	720.0	7411.3	35904.6
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	7380.3	35735.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2455222	24632253	117423324
17. Gross Electric Energy Generated (MWh)	866375	8596678	40833274
18. Net Electrical Energy Generated (MWh)	829882	8210297	38894045
19. Unit Service Factor	100.0	91.8	90.3
20. Unit Availability Factor	100.0	91.8	90.3
21. Unit Capacity Factor (Using MDC Net)	103.1	91.3	87.9
22. Unit Capacity Factor (Using DER Net)	100.1	88.7	85.4
23. Unit Forced Outage Rate	0.0	0.0	1.4
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: NOVEMBER 2000**

DOCKET NO: 50-390  
 UNIT NAME: WBN-1  
 DATE: December 8, 2000  
 COMPLETED BY: M. E. Greeno  
 TELEPHONE: (423) 365-1881

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)