



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

MAY 11 2000

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) - APRIL 2000 MONTHLY OPERATING  
REPORT

The enclosure provides the April 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,

P. L. Pace  
Manager, Licensing and Industry Affairs

Enclosure  
cc: See Page 2

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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 1

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

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY  
APRIL 2000**

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

Watts Bar Nuclear Plant Unit 1 began April 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 April 2000.

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: May 2, 2000

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

MONTH: April 2000

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,141.6	17.	1,154.1
2.	1,134.6	18.	1,156.3
3.	1,140.9	19.	1,153.1
4.	1,149.7	20.	1,146.6
5.	1,160.9	21.	1,157.6
6.	1,143.8	22.	1,158.3
7.	1,150.7	23.	1,157.0
8.	1,152.1	24.	1,154.8
9.	1,146.7	25.	1,155.4
10.	1,148.9	26.	1,152.6
11.	1,145.1	27.	1,156.3
12.	1,145.3	28.	1,154.2
13.	1,144.4	29.	1,154.9
14.	1,143.4	30.	1,153.0
15.	1,143.4		
16.	1,152.3		

## OPERATING DATA REPORT

Docket No. 50-390  
 Date: May 2, 2000  
 Completed By: R. D. Tolley  
 Telephone: (423) 365-3550

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

	<u>This Month</u>	<u>Year-to-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	719.0	2903.0	34440.0
12. Number of Hours Reactor was Critical	719.0	2903.0	31396.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	719.0	2903.0	31258.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2451520	9898363	102689435
17. Gross Electric Energy Generated (MWh)	862767	3491958	35728554
18. Net Electrical Energy Generated (MWh)	827053	3347760	34031507
19. Unit Service Factor	100.0	100.0	90.8
20. Unit Availability Factor	100.0	100.0	90.8
21. Unit Capacity Factor (Using MDC Net)	102.9	103.1	88.4
22. Unit Capacity Factor (Using DER Net)	99.9	100.2	85.9
23. Unit Forced Outage Rate	0.0	0.0	1.6
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: APRIL 2000**

DOCKET NO: 50-390  
 UNIT NAME: WBN-1  
 DATE: May 2, 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)**