



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

MAR 09 1998

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) UNIT 1 - FEBRUARY 1998 MONTHLY  
OPERATING REPORT

The enclosure provides the February 1998 Monthly Operating  
Report as required by WBN Technical Specification  
Section 5.9.4.

If you should have any questions, please contact me at (423) 365-  
1824.

Sincerely,

Paul L. Pace  
Site Licensing Manager

Enclosure

cc: See page 2

IE241,

9803180076 980228  
PDR ADOCK 05000390  
R PDR

110114



U.S. Nuclear Regulatory Commission

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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  
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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

FEBRUARY 1998

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATIONAL SUMMARY  
FEBRUARY 1998

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began February 1998 at full power. The unit operated at full power until February 6. At 1813 on February 6, unit power was reduced to 55% to identify and correct minor main condenser tube leakage. During the power reduction, the main feedwater pumps were also inspected and serviced. The unit returned to full power on February 13 and operated at full power for the remainder of 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 1998.

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: March 3, 1998

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

MONTH: February 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,157.5	17.	1,149.9
2.	1,154.9	18.	1,157.2
3.	1,153.8	19.	1,157.0
4.	1,160.0	20.	1,156.9
5.	1,158.4	21.	1,157.0
6.	1,085.5	22.	1,157.6
7.	719.3	23.	1,156.3
8.	803.5	24.	1,153.7
9.	904.7	25.	1,154.0
10.	854.4	26.	1,146.9
11.	749.8	27.	1,145.8
12.	800.6	28.	1,148.7
13.	1,058.4		
14.	1,158.2		
15.	1,158.9		
16.	1,152.5		

## OPERATING DATA REPORT

Docket No. 50-390  
 Date: March 2, 1998  
 Completed By: R. D. Tolley  
 Telephone: (423) 365-3550

- |  |                      |
|--|----------------------|
| 1. Unit Name:  | <u>WBN Unit 1</u>    |
| 2. Reporting Period:   | <u>February 1998</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>1172</u>          |
| 7. Maximum Dependable Capacity (Net MWe):  | <u>1117</u>          |
| 8. If changes Occur in Capacity Rating<br>(Item Numbers 3 & 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>   |                      |

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	672.0	1416.0	15433.0
12. Number of Hours Reactor was Critical	672.0	1416.0	13583.0
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	672.0	1416.0	13491.8
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2142012	4665504	43523113
17. Gross Electric Energy Generated (MWh)	755527	1649100	15074954
18. Net Electrical Energy Generated (MWh)	721711	1577190	14318675
19. Unit Service Factor	100.0	100.0	87.4
20. Unit Availability Factor	100.0	100.0	87.4
21. Unit Capacity Factor (Using MDC Net)	96.1	99.7	83.1
22. Unit Capacity Factor (Using DER Net)	93.3	96.8	80.6
23. Unit Forced Outage Rate	0.0	0.0	3.1
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			
25. If Shutdown at End of Report Period, Estimate Date of Startup: <u>N/A</u>			

**UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: FEBRUARY 1998**

DOCKET NO: 50-390  
 UNIT NAME: WBN-1  
 DATE: March 2, 1998  
 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>5</sup>	Cause and Corrective Action to Prevent Recurrence
34	2/6/98	S	0.0	A	5	N/A	SG	TBG	Scheduled power reduction to 55 % for main condenser tube leak repairs and other maintenance.

<sup>1</sup> F: Force  
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> Exhibit G - Instructions for (NUREG Preparation of Data Entry sheets for Licensee Event Report (LER) File - NUREG - 1022

<sup>5</sup> Exhibit I-Same Source