



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

FEB 11 1999

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) - JANUARY 1999 MONTHLY
OPERATING REPORT

The enclosure provides the January 1999 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

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PDR ADOCK 05000390
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U.S. Nuclear Regulatory Commission

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cc (Enclosure):

INPO Records Center
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Spring City, Tennessee 37381

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Region II
Atlanta Federal Center
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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

JANUARY 1999

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY
JANUARY 1999**

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant began January 1999 at full power. Power was reduced to approximately 65 percent beginning at 1948 on January 1 due to a condenser tube leak. Following condenser maintenance, the unit returned to full power at approximately 0400 on January 4. The unit operated at full power until 2000 on January 6 when the unit began coastdown preceding the Unit 1 Cycle 2 refueling outage. The unit operated per coastdown power projections for the remainder of the month and was operating at approximately 80 percent power at month end.

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 January 1999.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: February 2, 1999

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

MONTH: January 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,164.3	17.	1,051.2
2.	878.6	18.	1,040.0
3.	1,033.6	19.	1,038.9
4.	1,165.1	20.	1,015.6
5.	1,156.0	21.	1,003.6
6.	1,163.3	22.	994.6
7.	1,152.9	23.	990.1
8.	1,130.7	24.	1002.8
9.	1,127.2	25.	984.0
10.	1,114.8	26.	972.9
11.	1,095.1	27.	957.1
12.	1,102.6	28.	947.3
13.	1,079.4	29.	934.6
14.	1,065.9	30.	949.1
15.	1,069.2	31.	937.7
16.	1,062.0		

OPERATING DATA REPORT

Docket No. 50-390
 Date: February 2, 1999
 Completed By: R. D. Tolley
 Telephone: (423) 365-3550

- | | |
|---|---------------------|
| 1. Unit Name: | <u>WBN Unit 1</u> |
| 2. Reporting Period: | <u>January 1999</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
(Item Numbers 3 through 7) Since Last Report, Give Reasons: | |
| 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	744.0	744.0	23521.0
12. Number of Hours Reactor was Critical	744.0	744.0	21594.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	744.09	21492.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2280206	2280206	70242519
17. Gross Electric Energy Generated (MWh)	814147	814147	24381425
18. Net Electrical Energy Generated (MWh)	777119	777119	23199585
19. Unit Service Factor	100.0	100.0	91.4
20. Unit Availability Factor	100.0	100.0	91.4
21. Unit Capacity Factor (Using MDC Net)	93.4	93.4	88.2
22. Unit Capacity Factor (Using DER Net)	90.8	90.8	85.7
23. Unit Forced Outage Rate	0.0	0.0	2.4
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): In accordance with Generic Letter 97-02, this information is currently not needed by NRC.			
25. If Shutdown at End of Report Period, Estimate Date of Startup: N/A			

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: JANUARY 1999**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: February 2, 1999
 COMPLETED BY: R. D. Tolley
 TELEPHONE: (423) 365-3550

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁴	Cause and Corrective Action to Prevent Recurrence
42	01/01/99	F	N/A	A	5	N/A	SG	TBG	Power reduction due to condenser tube leak. Leaking tubes were plugged.

¹ **F: Forced**
S: Scheduled

² **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)

³ **Method**
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴ **Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)**