



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

NOV 08 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) - OCTOBER 1999 MONTHLY OPERATING
REPORT

The enclosure provides the October 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
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
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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
OCTOBER 1999

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY
OCTOBER 1999**

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began October 1999 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 October 1999.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: November 1, 1999
 COMPLETED BY: R. D. Tolley TELEPHONE: (423) 365-3550
 MONTH: October 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>1,147.5</u>	17.	<u>1,136.7</u>
2.	<u>1,135.7</u>	18.	<u>1,156.0</u>
3.	<u>1,136.9</u>	19.	<u>1,143.1</u>
4.	<u>1,144.8</u>	20.	<u>1,146.0</u>
5.	<u>1,137.4</u>	21.	<u>1,150.9</u>
6.	<u>1,143.4</u>	22.	<u>1,151.7</u>
7.	<u>1,141.9</u>	23.	<u>1,152.2</u>
8.	<u>1,138.3</u>	24.	<u>1,156.1</u>
9.	<u>1,133.9</u>	25.	<u>1,154.9</u>
10.	<u>1,120.9</u>	26.	<u>1,160.1</u>
11.	<u>1,143.4</u>	27.	<u>1,144.9</u>
12.	<u>1,139.5</u>	28.	<u>1,148.8</u>
13.	<u>1,131.8</u>	29.	<u>1,145.6</u>
14.	<u>1,140.6</u>	30.	<u>1,150.8</u>
15.	<u>1,146.2</u>	31.	<u>1,141.4</u>
16.	<u>1,140.9</u>		

OPERATING DATA REPORT

Docket No. **50-390**
 Date: **November 1, 1999**
 Completed By: **R. D. Tolley**
 Telephone: **(423) 365-3550**

- | | |
|---|----------------------------|
| 1. Unit Name: | <u>WBN Unit 1</u> |
| 2. Reporting Period: | <u>October 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> |

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	745.0	7296.0	30073.0
12. Number of Hours Reactor was Critical	745.0	6178.9	27029.4
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	745.0	6142.3	26891.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2540350	19836928	87799242
17. Gross Electric Energy Generated (MWh)	890014	6904036	30471314
18. Net Electrical Energy Generated (MWh)	852233	6569593	28992059
19. Unit Service Factor	100.0	84.2	89.4
20. Unit Availability Factor	100.0	84.2	89.4
21. Unit Capacity Factor (Using MDC Net)	102.3	80.5	86.2
22. Unit Capacity Factor (Using DER Net)	99.4	78.2	83.8
23. Unit Forced Outage Rate	0.0	0.0	1.9
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: OCTOBER 1999**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: November 1, 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
									No significant power reductions or shutdowns occurred during this reporting period.

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)