



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

JAN 12 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) - DECEMBER 1998 MONTHLY
OPERATING REPORT

The enclosure provides the December 1998 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
Site Licensing and Industry Affairs

Enclosure

IE241/

9901200437 981231
PDR ADOCK 05000390
R PDR

U.S. Nuclear Regulatory Commission

Page 2

JAN 12 1999

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

DECEMBER 1998

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATIONAL SUMMARY
DECEMBER 1998

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Unit 1 of Watts Bar Nuclear Plant began December 1998 at full power and operated at full power continuously through 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 December 1998.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: January 5, 1999

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

MONTH: December 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,150.5	17.	1,167.3
2.	1,146.0	18.	1,159.9
3.	1,150.4	19.	1,150.8
4.	1,151.4	20.	1,166.4
5.	1,147.3	21.	1,157.7
6.	1,123.0	22.	1,166.0
7.	1,129.4	23.	1,157.7
8.	1,142.8	24.	1,165.7
9.	1,157.4	25.	1,166.9
10.	1,159.3	26.	1,169.1
11.	1,161.0	27.	1,165.9
12.	1,154.4	28.	1,168.0
13.	1,162.4	29.	1,158.9
14.	1,168.4	30.	1,167.2
15.	1,155.5	31.	1,165.9
16.	1,158.1		

OPERATING DATA REPORT

Docket No. 50-390
 Date: January 5, 1999
 Completed By: R. D. Tolley
 Telephone: (423) 365-3550

- | | |
|---|----------------------|
| 1. Unit Name: | <u>WBN Unit 1</u> |
| 2. Reporting Period: | <u>December 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>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	744.0	8760.0	22777.0
12. Number of Hours Reactor was Critical	744.0	8683.5	20850.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	8672.9	20748.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2535907	29104705	67962314
17. Gross Electric Energy Generated (MWh)	898928	10141424	23567278
18. Net Electrical Energy Generated (MWh)	860890	9680981	22422466
19. Unit Service Factor	100.0	99.0	91.1
20. Unit Availability Factor	100.0	99.0	91.1
21. Unit Capacity Factor (Using MDC Net)	103.5	98.8	88.1
22. Unit Capacity Factor (Using DER Net)	100.5	96.0	85.5
23. Unit Forced Outage Rate	0.0	1.0	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: DECEMBER 1998**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: January 5, 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)