



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

MAR 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) - FEBRUARY 1999 MONTHLY
OPERATING REPORT

The enclosure provides the February 1999 Monthly Operating
Report as required by WBN Technical Specification
Section 5.9.4. 11

If you have any questions concerning this matter, please
call me at (423) 365-1824. Jery

Sincerely,

P. L. Pace
Manager, Licensing and Industry Affairs

Enclosure
cc: See Page 2

9903170388 990228
PDR ADOCK 05000390
R PDR

U.S. Nuclear Regulatory Commission

Page 2

MAR 1 1 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

FEBRUARY 1999

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY
FEBRUARY 1999**

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

At 2000 on January 6, 1999, Unit 1 began a power coastdown in preparation for the Unit 1 Cycle 2 (U1C2) refueling outage. The unit operated in accordance with projected coastdown power levels until 0001 on February 27, 1999, when the unit was shutdown to initiate the U1C2 outage. The unit entered Mode 5 at 1504 on February 27, 1999.

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 1999.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: March 3, 1999

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

MONTH: February 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	912.1	17.	786.0
2.	917.1	18.	784.5
3.	895.6	19.	773.7
4.	900.4	20.	760.1
5.	889.2	21.	771.6
6.	864.8	22.	754.7
7.	856.3	23.	751.3
8.	844.3	24.	746.9
9.	839.1	25.	729.6
10.	835.7	26.	620.5
11.	815.9	27.	0.0
12.	826.1	28.	0.0
13.	824.2		
14.	819.3		
15.	810.8		
16.	799.0		

OPERATING DATA REPORT

Docket No. 50-390
 Date: March 3, 1999
 Completed By: R. D. Tolley
 Telephone: (423) 365-3550

- | | |
|---|----------------------|
| 1. Unit Name: | <u>WBN Unit 1</u> |
| 2. Reporting Period: | <u>February 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	672.0	1416.0	24193
12. Number of Hours Reactor was Critical	624.2	1368.2	22218.7
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	624.0	1368	22116.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	1519605	3799810	71762124
17. Gross Electric Energy Generated (MWh)	536199	1350346	24917624
18. Net Electrical Energy Generated (MWh)	506106	1283225	23705691
19. Unit Service Factor	92.9	96.6	91.4
20. Unit Availability Factor	92.9	96.6	91.4
21. Unit Capacity Factor (Using MDC Net)	67.4	81.1	87.6
22. Unit Capacity Factor (Using DER Net)	65.4	78.7	85.1
23. Unit Forced Outage Rate	0.0	0.0	2.3
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: FEBRUARY 1999**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: March 3, 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
43	02/27/99	S	48	C	1	N/A	N/A	N/A	Power reduction and unit shutdown in preparation for U1C2 refueling outage.

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)