



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

SEP 15 1998

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) - AUGUST 1998 MONTHLY
OPERATING REPORT

The enclosure provides the August 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. D. Pace
Site Licensing and Industry Affairs

Enclosure 200031

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IE 24

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PDR ADDCK 05000390
R PDR

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
One White Flint North
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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

AUGUST 1998

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY
AUGUST 1998**

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began August 1998 at full power. The unit operated at full power until 08:11 on August 27, 1998. At this time the output of the unit was reduced to approximately 50 percent for the repair of two leaking condenser tubes. At 03:00 on August 28, 1998, the output of the unit was further reduced to 30 percent power to collect samples for use in determining the steam generator crevice chemistry (hideout sampling). The unit was returned to full power on August 28, 1998 at 14:10 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 August 1998.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: September 1, 1998

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

MONTH: August 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,114.0	17.	1,116.1
2.	1,117.2	18.	1,097.6
3.	1,108.8	19.	1,106.9
4.	1,125.2	20.	1,112.8
5.	1,109.9	21.	1,106.8
6.	1,106.7	22.	1,113.3
7.	1,112.5	23.	1,109.2
8.	1,104.9	24.	1,110.7
9.	1,110.9	25.	1,112.5
10.	1,107.8	26.	1,103.5
11.	1,108.8	27.	754.5
12.	1,108.8	28.	807.8
13.	1,108.1	29.	1,108.0
14.	1,111.9	30.	1,109.0
15.	1,111.1	31.	1,109.7
16.	1,114.2		

OPERATING DATA REPORT

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

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

	<u>This Month</u>	<u>Year-to-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	744.0	5831.0	19848.0
12. Number of Hours Reactor was Critical	744.0	5754.5	17921.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	744.0	5743.9	17819.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2486237	19215774	58073383
17. Gross Electric Energy Generated (MWh)	851695	6676642	20102496
18. Net Electrical Energy Generated (MWh)	810223	6370856	19112341
19. Unit Service Factor	100.0	98.5	89.8
20. Unit Availability Factor	100.0	98.5	89.8
21. Unit Capacity Factor (Using MDC Net)	97.5	97.8	86.2
22. Unit Capacity Factor (Using DER Net)	94.6	94.9	83.7
23. Unit Forced Outage Rate	0.0	1.5	2.8
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: AUGUST 1998**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: September 1, 1998
 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
39	8/27/98	F	N/A	A	5	N/A	SG	TBG	Power reduction to approximately 50 percent for the repair of condenser tube leaks. A further reduction to 30 percent power was performed to collect samples for use in determining the steam generator crevice chemistry (hideout sampling).

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)**