



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

OCT 13 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) - SEPTEMBER 1998 MONTHLY
OPERATING REPORT

The enclosure provides the September 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

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PDR ADOCK 05000390
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U.S. Nuclear Regulatory Commission

Page 2

OCT 13 1998

cc (Enclosure):

NRC Resident Inspector
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

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U.S. Nuclear Regulatory Commission
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U.S. Nuclear Regulatory Commission..
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Atlanta Federal Center
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Atlanta, Georgia 30303

ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)
MONTHLY OPERATING REPORT
SEPTEMBER 1998

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY
SEPTEMBER 1998**

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began September 1998 at full power. The unit operated at full power until 00:52 on September 27, 1998. At this time an automatic runback to approximately 70 percent occurred due to a trip of main feed pump 1A caused by low bearing oil pressure. The unit was returned to full power at 11:57 on September 21, 1998, 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 September 1998.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: October 2, 1998

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

MONTH: September 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,111.8	17.	1,109.5
2.	1,117.8	18.	1,107.6
3.	1,119.4	19.	1,112.6
4.	1,116.0	20.	1,115.0
5.	1,107.1	21.	887.4
6.	1,107.1	22.	1,020.5
7.	1,104.2	23.	1,131.6
8.	1,124.4	24.	1,118.6
9.	1,136.3	25.	1,118.0
10.	1,134.9	26.	1,125.6
11.	1,133.2	27.	1,116.1
12.	1,125.4	28.	1,112.0
13.	1,114.6	29.	1,116.8
14.	1,114.6	30.	1,119.5
15.	1,112.2		
16.	1,123.9		

OPERATING DATA REPORT

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

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

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	720.0	6551.0	20568.0
12. Number of Hours Reactor was Critical	720.0	6474.5	18641.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	720.0	6463.9	18539.7
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2429447	21645221	60502830
17. Gross Electric Energy Generated (MWh)	837559	7514201	20940055
18. Net Electrical Energy Generated (MWh)	797135	7167991	19909476
19. Unit Service Factor	100.0	98.7	90.1
20. Unit Availability Factor	100.0	98.7	90.1
21. Unit Capacity Factor (Using MDC Net)	99.1	98.0	86.7
22. Unit Capacity Factor (Using DER Net)	96.2	95.1	84.1
23. Unit Forced Outage Rate	0.0	1.3	2.7
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: SEPTEMBER 1998**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: October 2, 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
40	9/21/98	F	N/A	A	5	N/A	SL	P	Power runback to 70 percent due to a trip of main feed pump 1A caused by low bearing oil pressure. Recurrence control actions included calibrating oil pressure switch, changing oil filter, adjusting check valve, and verifying relief valve set pressure.

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)**