

U.S. Nuclear Regulatory Commission

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AUG 11 1998

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., Suite 23T85
Atlanta, Georgia 30323

ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

July 1998

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATIONAL SUMMARY
JULY 1998

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began July 1998 at full power. The unit operated at or near full power until 00:15 on July 18. At this time the output of the unit was reduced to 90% to perform test instruction 1-TRI-47-3, "Main Turbine Steam Inlet Valve Testing." The unit was returned to full power on July 18 at 06:34 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 July 1998.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: August 3, 1998

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

MONTH: July 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	<u>1,116.3</u>	17.	<u>1,105.7</u>
2.	<u>1,112.5</u>	18.	<u>1,094.4</u>
3.	<u>1,110.7</u>	19.	<u>1,105.2</u>
4.	<u>1,110.5</u>	20.	<u>1,105.7</u>
5.	<u>1,112.4</u>	21.	<u>1,103.3</u>
6.	<u>1,102.9</u>	22.	<u>1,104.8</u>
7.	<u>1,106.0</u>	23.	<u>1,108.8</u>
8.	<u>1,103.8</u>	24.	<u>1,111.7</u>
9.	<u>1,101.5</u>	25.	<u>1,109.3</u>
10.	<u>1,107.0</u>	26.	<u>1,113.3</u>
11.	<u>1,110.7</u>	27.	<u>1,107.2</u>
12.	<u>1,109.8</u>	28.	<u>1,106.4</u>
13.	<u>1,108.9</u>	29.	<u>1,107.4</u>
14.	<u>1,116.4</u>	30.	<u>1,104.2</u>
15.	<u>1,112.1</u>	31.	<u>1,106.7</u>
16.	<u>1,109.1</u>		

OPERATING DATA REPORT

Docket No. **50-390**
 Date: **August 3, 1998**
 Completed By: **R. D. Tolley**
 Telephone: **(423) 365-3550**

1. Unit Name: **WBN Unit 1**
2. Reporting Period: **July 1998**
3. Licensed Thermal Power (MWt): **3411**
4. Nameplate Rating (Gross Mwe): **1269.8**
5. Design Electrical Rating (Net Mwe): **1150.9**
6. Maximum Dependable Capacity (Gross MWe): **1172**
7. Maximum Dependable Capacity (Net MWe): **1117**
8. If changes Occur in Capacity Rating
(Item Numbers 3 & 7) Since Last Report, Give Reasons: **N/A**
9. Power Level To Which Restricted, If any (net MWe): **N/A**
10. Reasons for Restrictions, If any: **N/A**

	<u>This Month</u>	<u>Year-to-Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>744.0</u>	<u>5087.0</u>	<u>19104.0</u>
12. Number of Hours Reactor was Critical	<u>744.0</u>	<u>5010.5</u>	<u>17177.5</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4999.9</u>	<u>17075.7</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2531951</u>	<u>16729537</u>	<u>55587146</u>
17. Gross Electric Energy Generated (MWh)	<u>865280</u>	<u>5824947</u>	<u>19250801</u>
18. Net Electrical Energy Generated (MWh)	<u>824270</u>	<u>5560633</u>	<u>18302118</u>
19. Unit Service Factor	<u>100.0</u>	<u>98.3</u>	<u>89.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>98.3</u>	<u>89.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.2</u>	<u>97.9</u>	<u>85.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>96.3</u>	<u>95.0</u>	<u>83.2</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.7</u>	<u>3.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	Tentative		
Shutdown for scheduled maintenance - late October 1998/approximate duration - 4 days			
25. If Shutdown at End of Report Period, Estimate Date of Startup:	N/A		

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: JULY 1998**

DOCKET NO: 50-390
UNIT NAME: WBN-1
DATE: August 3, 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
									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)