

U.S. Nuclear Regulatory Commission

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JUN 05 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
Region II
Atlanta Federal Center
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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

MAY 1998

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATIONAL SUMMARY
MAY 1998

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began May 1998 at full power and operated at or near full power for the entire duration 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 May 1998.

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH: May 1998

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,141.9	17.	1,124.2
2.	1,136.3	18.	1,140.3
3.	1,142.9	19.	1,114.9
4.	1,149.8	20.	1,114.5
5.	1,124.7	21.	1,120.6
6.	1,132.3	22.	1,126.8
7.	1,128.6	23.	1,096.0
8.	1,123.3	24.	1,107.5
9.	1,133.7	25.	1,126.4
10.	1,137.8	26.	1,116.0
11.	1,129.1	27.	1,127.2
12.	1,134.2	28.	1,121.2
13.	1,119.3	29.	1,132.3
14.	1,117.0	30.	1,112.9
15.	1,119.7	31.	1,102.4
16.	1,112.8		

OPERATING DATA REPORT

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

1. Unit Name: WBN Unit 1
2. Reporting Period: May 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>3623.0</u>	<u>17640.0</u>
12. Number of Hours Reactor was Critical	<u>744.0</u>	<u>3546.5</u>	<u>15713.5</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>3535.9</u>	<u>15611.7</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>2535488</u>	<u>11752036</u>	<u>50609644</u>
17. Gross Electric Energy Generated (MWh)	<u>876107</u>	<u>4120864</u>	<u>17546718</u>
18. Net Electrical Energy Generated (MWh)	<u>836799</u>	<u>3936323</u>	<u>16677808</u>
19. Unit Service Factor	<u>100.0</u>	<u>97.6</u>	<u>88.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>97.6</u>	<u>88.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.7</u>	<u>97.3</u>	<u>84.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.7</u>	<u>94.4</u>	<u>82.1</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>2.4</u>	<u>3.2</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			
25. If Shutdown at End of Report Period, Estimate Date of Startup: <u>N/A</u>			

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

DOCKET NO: 50-390
UNIT NAME: WBN-1
DATE: June 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
	None								

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)