



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

JUN 8 2000

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) - MAY 2000 MONTHLY OPERATING
REPORT

The enclosure provides the May 2000 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
Manager, Licensing and Industry Affairs

Enclosure
cc: See Page 2

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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
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 1

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

MAY 2000

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATIONAL SUMMARY
MAY 2000

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began May 2000 at full power and operated at or near full power for the entire 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 2000.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: June 2, 2000

COMPLETED BY: D. K. Flourney TELEPHONE: (423) 365-3803

MONTH: May 2000

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,147.0	17.	1,136.0
2.	1,190.9	18.	1,129.7
3.	1,138.8	19.	1,128.5
4.	1,138.2	20.	1,132.5
5.	1,138.0	21.	1,134.6
6.	1,135.4	22.	1,136.3
7.	1,138.2	23.	1,132.1
8.	1,135.1	24.	1,125.6
9.	1,135.7	25.	1,128.7
10.	1,141.1	26.	1,132.7
11.	1,136.0	27.	1,125.6
12.	1,127.2	28.	1,132.7
13.	1,132.2	29.	1,139.0
14.	1,143.5	30.	1,137.0
15.	1,146.2	31.	1,131.1
16.	1,141.8		

OPERATING DATA REPORT

Docket No. **50-390**
 Date: **June 2, 2000**
 Completed By: **D. K. Flournoy**
 Telephone: **(423) 365-3803**

- | | |
|---|--------------------------|
| 1. Unit Name: | <u>WBN Unit 1</u> |
| 2. Reporting Period: | <u>May 2000</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: | <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	<u>744.0</u>	<u>3647.0</u>	<u>35184.0</u>
12. Number of Hours Reactor was Critical	<u>744.0</u>	<u>3647.0</u>	<u>32140.4</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>3647.0</u>	<u>32002.0</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>2536436</u>	<u>12434799</u>	<u>105225871</u>
17. Gross Electric Energy Generated (MWh)	<u>882527</u>	<u>4374485</u>	<u>36611081</u>
18. Net Electrical Energy Generated (MWh)	<u>844748</u>	<u>4192508</u>	<u>34876255</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>91.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>91.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.6</u>	<u>102.8</u>	<u>88.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.7</u>	<u>99.9</u>	<u>86.1</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>1.6</u>
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: MAY 2000**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: June 2, 2000
 COMPLETED BY: D. K. Flournoy
 TELEPHONE: (423) 365-3803

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)**