



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

John A. Scalice
Site Vice President, Watts Bar Nuclear Plant

DEC 1 1 1996

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of)
Tennessee Valley Authority) Docket No. 50-390

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1 - NOVEMBER 1996 MONTHLY
OPERATING REPORT

The enclosure provides the November 1996 Monthly Operating Report
as required by WBN Technical Specification 5.9.4.

If you have any questions concerning this matter, please call
P. L. Pace at (423) 365-1824.

Sincerely,

J. A. Scalice

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

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Region II
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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT UNIT 1

MONTHLY OPERATING REPORT
TO THE
NUCLEAR REGULATORY COMMISSION
NOVEMBER 1996

UNIT 1
DOCKET NUMBER 50-390
LICENSE NUMBER NPF-90

OPERATIONAL SUMMARY
NOVEMBER 1996
UNIT 1

Watts Bar Nuclear Plant Unit 1 began November 1996 at full power. Power was reduced to approximately 50% on November 1 for condenser maintenance (tube plugging). The unit began power ascension on November 3, 1996, achieved full power operation on November 4, and operated at or near full power until November 8. On November 8, power was again reduced to approximately 50% for condenser maintenance (tube plugging). The unit began power ascension on November 10, achieved full power operation on November 11, and operated at or near full power until November 27. On November 27, power was reduced to approximately 50% for condenser maintenance (tube plugging). Condenser maintenance with variances in power levels from 50% to 71%, occurred through November 28. Power ascension began on November 29, and proceeded to 90% power on November 30. Unit operation was held at 90% power from 0933 on November 30 through the end of the month at the request of the load dispatcher.

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 November 1996.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT No. One DATE: 12/6/96

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

MONTH: November 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1150.8	17	1151.7
2	507.7	18	1136.5
3	819.7	19	1149.2
4	1130.1	20	1146.4
5	1130.8	21	1147.2
6	1118.7	22	1160.0
7	1103.5	23	1143.6
8	1091.4	24	1146.6
9	493.9	25	1146.4
10	612.7	26	1143.9
11	1129.9	27	959.1
12	1139.7	28	568.6
13	1139.0	29	495.7
14	1137.3	30	909.6
15	1135.5	31	
16	1158.9		

OPERATING DATA REPORT

DOCKET NO.: 50-390
 DATE: 12/4/96
 COMPLETED BY: R. D. Tolley
 TELEPHONE: (423)365-3550

OPERATING STATUS

1. Unit Name: Watts Bar Unit One
2. Reporting Period: November 1996
3. Licensed Thermal Power (MWT): 3411
4. Nameplate Rating (Gross MWe): 1269.8
5. Design Electrical Rating (Net MWe): 1160
6. Maximum Dependable Capacity (Gross MWe): 1150
7. Maximum Dependable Capacity (Net MWe): 1095
8. If Changes Occur in Capacity Ratings (Item Numbers 3 through 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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>720.0</u>	<u>4513.0</u>	<u>4513.0</u>
12. Number of Hours Reactor Was Critical	<u>720.0</u>	<u>4081.4</u>	<u>4081.4</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>720.0</u>	<u>4060.1</u>	<u>4060.1</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>2202224</u>	<u>13307772</u>	<u>13307772</u>
17. Gross Electrical Energy Generated (MWh)	<u>765574</u>	<u>4519820</u>	<u>4519820</u>
18. Net Electrical Energy Generated (MWh)	<u>728616</u>	<u>4289380</u>	<u>4289380</u>
19. Unit Service Factor	<u>100.0</u>	<u>90.0</u>	<u>90.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>90.0</u>	<u>90.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>92.4</u>	<u>86.8</u>	<u>86.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>87.2</u>	<u>81.9</u>	<u>81.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.2</u>	<u>0.2</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>N/A</u>		
25. If Shut Down at End of Report Period, Estimated Date of Startup:	<u>N/A</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: November 1996

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: 12/5/96
 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 ⁵	Cause and Corrective Action to Prevent Recurrence
20	11/01/96	S	0	A	5	N/A	SD	TBG	Power reduced to approximately 50% for condenser tube plugging
21	11/08/96	S	0	A	5	N/A	SD	TBG	Power reduced to approximately 50% for condenser tube plugging
22	11/27/96	S	0	A	5	N/A	SD	TBG	Power reduced to approximately 50% for condenser tube plugging. Condenser maintenance with variances in power level from approximately 50% to 71% occurred through November 28. Final power ascension began on November 29.

¹F: Forced
 S: Scheduled

²Reason:
 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)

³Method
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

⁴Exhibit G - Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG - 1022)

⁵Exhibit I-Same Source