



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

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

October 15, 1997

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 1997 MONTHLY
OPERATING REPORT

Enclosure 1 provides the September 1997 Monthly Operating
Report as required by WBN Technical Specification Section
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

11-2624

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PDR ADOCK 05000390
R PDR



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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
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Rockville, Maryland 20852

U.S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
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ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)
MONTHLY OPERATING REPORT
SEPTEMBER 1997

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY
SEPTEMBER 1997**

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began September 1997 in coast down at approximately 66% power. The unit operated at or near coast down power projections until 00:04 on September 6 when the unit was manually shutdown for refueling.

**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 1997.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: October 2, 1997

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

MONTH: September 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	639.1	17.	0
2.	719.1	18.	0
3.	703.4	19.	0
4.	682.2	20.	0
5.	572.3	21.	0
6.	0	22.	0
7.	0	23.	0
8.	0	24.	0
9.	0	25.	0
10.	0	26.	0
11.	0	27.	0
12.	0	28.	0
13.	0	29.	0
14.	0	30.	0
15.	0		
16.	0		

OPERATING DATA REPORT

Docket No. 50-390
 Date: October 2, 1997
 Completed By: R. D. Tolley
 Telephone: (423) 365-3550

1. Unit Name: WBN Unit 1
2. Reporting Period: September 1997
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

	This Month	Year-to-Date	Cumulative
11. Hours in Reporting Period	720.0	6551.0	11808.0
12. Number of Hours Reactor was Critical	120.2	5568.8	10394.2
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	120.1	5528.1	10332.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	262258	17339168	33170070
17. Gross Electric Energy Generated (MWh)	85051	6010805	11421350
18. Net Electrical Energy Generated (MWh)	73921	5694711	10836104
19. Unit Service Factor	16.7	84.4	87.5
20. Unit Availability Factor	16.7	84.4	87.5
21. Unit Capacity Factor (Using MDC Net)	9.2	77.8	82.2
22. Unit Capacity Factor (Using DER Net)	8.9	75.5	79.7
23. Unit Forced Outage Rate	0.0	7.1	4.0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling outage began on September 6, 1997			
25. If Shutdown at End of Report Period, Estimate Date of Startup: October 18, 1997			

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: SEPTEMBER 1997**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: 10/2/97
 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
32	09/06/97	S	599.9	C	1	N/A	N/A	N/A	Scheduled refueling outage. Unit startup is estimated to occur on October 18, 1997.

¹ **F: Force**
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 **Exhibit G - Instructions for (NUREG Preparation of Data Entry sheets for Licensee Event Report (LER) File - NUREG - 1022**

⁵ **Exhibit I-Same Source**