



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

OCT 15 2004

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 2004 MONTHLY
OPERATING REPORT

Provided in the enclosure is the Monthly Operating Report for
September 2004 as required by WBN Technical Specification
Section 5.9.4. There are no regulatory commitments in this
submittal and should there be questions regarding this letter,
please telephone me at (423) 365-1824.

Sincerely,

P. L. Pace
Manager, Site Licensing
and Industry Affairs

Enclosure
Monthly Operating Report - September 2004

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cc (Enclosure):

NRC Resident Inspector
Watts Bar Nuclear Plant
1260 Nuclear Plant Road
Spring City, Tennessee 37381

Mr. R. J. Pascarelli, Project Manager
U.S. Nuclear Regulatory Commission
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Rockville, Maryland 20852-2738

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

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

SEPTEMBER 2004

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATING DATA REPORT

Docket No. 50-390
 Unit Name: WBN Unit 1
 Date: October 6, 2004
 Completed By: J. L. Kasten
 Telephone: (423) 365-8022
 Reporting Period: September 2004

- | | |
|---|-------|
| 1. Design Electrical Rating (MWe-Net): | 1,155 |
| 2. Maximum Dependable Capacity (MWe-Net): | 1,121 |

	Month	Year-to-Date	Cumulative
3. Number of Hours Reactor was Critical	675	6,495	67,258
4. Hours Generator On-Line	658	6,471	66,923
5. Unit Reserve Shutdown Hours	0.0	0.0	0.0
6. Net Electrical Energy Generated (MWh)	708,344	7,318,938	74,334,622

UNIT SHUTDOWNS

DOCKET NO: 50-390
UNIT NAME: WBN-1
DATE: October 6, 2004
COMPLETED BY: J. L. Kasten
TELEPHONE: (423) 365-8022

REPORT PERIOD: September 2004

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ³	Cause and Corrective Action to Prevent Recurrence
1	09/19/04	F	62.4	A	2	2004-02	AA	DCC	WBN Unit 1 was operating at approximately 100% power when there was an inadvertent full insertion (drop) of four rods in Control Bank B Group 2. This resulted from the failure of a Rod Control System power cabinet phase control board. Due to the insertion of the rods, the reactor thermal power promptly dropped to approximately 67% and then stabilized at 85%. The reactor was manually tripped at approximately 04:56. The remaining control rods inserted properly and the Auxiliary Feedwater System actuated and functioned properly. The unit returned to service at 19:22 on September 21, 2004.

¹ F: Forced
S: Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training / License Examination
 F-Administrative
 G-Operational Error (Explain)
 H- Other (Explain)

³ Method
 1-Manual
 2-Manual Trip/Scram
 3-Automatic Trip/Scram
 4-Continuation Outage
 5-Other (Explain)

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

Summary: Unit 1 was manually tripped on September 19, 2004, and returned to service on September 21, 2004.