



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

JAN 15 2002

10 CFR 50.4

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

Gentlemen:

In the Matter of) Docket Nos. 50-390
Tennessee Valley Authority)

WATTS BAR NUCLEAR PLANT (WBN) - DECEMBER 2001 MONTHLY
OPERATING REPORT

Enclosed is the December 2001 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
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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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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

DECEMBER 2001

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATING DATA REPORT

Docket No. 50-390
 Unit Name: WBN Unit 1
 Date: January 4, 2002
 Completed By: D. K. Flournoy
 Telephone: (423) 365-3803
 Reporting Period: December 2001

1. Design Electrical Rating (MWe-Net): 1155 (see note below)
2. Maximum Dependable Capacity (MWe-Net): 1125

	<u>Month</u>	<u>Year-to-Date</u>	<u>Cumulative</u>
3. Number of Hours Reactor was Critical	<u>715.9</u>	<u>8450.3</u>	<u>45099.0</u>
4. Hours Generator On-Line	<u>710.4</u>	<u>8421.3</u>	<u>44900.4</u>
5. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
6. Net Electrical Energy Generated (MWh)	<u>816161</u>	<u>9626575</u>	<u>49386716</u>

Note:

The Design Electrical Rating (MWe-Net) has been adjusted from 1168 Mwe to 1155 Mwe to reallocate dual unit common loads to Unit 1 only.

UNIT SHUTDOWNS

DOCKET NO: 50-390
UNIT NAME: WBN-1
DATE: January 4, 2002
COMPLETED BY: D. K. Flournoy
TELEPHONE: (423) 365-3803

REPORT PERIOD: December 2001

No.	Date	Type	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
03	011219	F	33.6	G	3	2001-04	JJ	BKR	Unit 1 experienced an automatic turbine/reactor trip at approximately 2319 EST on December 19, 2001. The unit trip resulted from an invalid AMSAC signal. The AMSAC signal was generated during the placement of a hold order for maintenance of the turbine driven auxiliary feedwater (TDAFW) pump. This activity included the opening of breakers which supply power to the instrument loops for the TDAFW level control valves. The loss of power to the instruments generated an invalid steam generator lo lo level signal which resulted in the initiation of an AMSAC signal.

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: Following the reactor trip, WBN Unit 1 returned to power production at 08:55 EST on December 21, 2001. Once returned to service, the unit operated at or near 100% power for the balance of the month. No additional significant power reductions or shutdowns occurred during December 2001. There were no challenges to the pressurizer power operated relief valves or pressurizer safety valves during the month of December 2001.