



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

10 CFR 50.4

OCT 14 2001

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) - SEPTEMBER 2001 MONTHLY
OPERATING REPORT

Enclosed is the September 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,

A handwritten signature in black ink, appearing to read "P. L. Pace", written over a horizontal line.

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. L. Mark Padovan, Senior Project Manager
U.S. Nuclear Regulatory Commission
MS 08G9
One White Flint North
11555 Rockville Pike
Rockville, Maryland 20852-2739

U.S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, Georgia 30303

ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

SEPTEMBER 2001

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATING DATA REPORT

Docket No. 50-390
 Unit Name: WBN Unit 1
 Date: October 3, 2001
 Completed By: D. K. Flournoy
 Telephone: (423) 365-3803
 Reporting Period: September 2001

1. Design Electrical Rating (MWe-Net): 1168
 2. Maximum Dependable Capacity (MWe-Net): 1128

	<u>Month</u>	<u>Year-to-Date</u>	<u>Cumulative</u>
3. Number of Hours Reactor was Critical	<u>684.4</u>	<u>6269.4</u>	<u>42918.0</u>
4. Hours Generator On-Line	<u>678.6</u>	<u>6245.9</u>	<u>42725.2</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>752854</u>	<u>7117089</u>	<u>46877230</u>

UNIT SHUTDOWNS

DOCKET NO: 50-390
UNIT NAME: WBN-1
DATE: September 3, 2001
COMPLETED BY: D. K. Flournoy
TELEPHONE: (423) 365-3803

REPORT PERIOD: JULY 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
02	010904	F	41.5	A	2 Refer to the Cause and Corrective Action to Prevent Recurrence	Refer to the Note on the attachment.	EJ	BYC	Unit 1 was manually tripped at approximately 1305 EDT on September 4, 2001, due to the level of steam generator (SG) number 1 approaching the Lo-Lo level setpoint. (Note - A nearly simultaneous automatic trip signal was also received and the basis for this signal is currently under investigation.) The immediate cause of the trip is considered to be the loss of the 1-I Vital AC Inverter which caused the number 1 SG feedwater regulating valve to close. (Continued on the attachment)

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 06:30 EDT on September 6, 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 September 2001. There were no challenges to the pressurizer power operated relief valves or pressurizer safety valves during the month of September 2001.

Attachment

Cause and Corrective Action to Prevent Recurrence (continued):

The root cause of the reactor trip was the failure of the sensing/current limiting card installed in vital battery charger 6-S. At the time of the event, a maintenance procedure was being implemented which required the 6-S charger to be tied to Vital Board 1-I. A failure analysis was performed on the sensing/current limiting card for charger 6-S. Based on this analysis, procedural actions are being defined for future manipulations involving a spare battery chargers.

Licensee Event Report (LER) - Note:

The required 10 CFR 50.72 notifications were documented as NRC Event Report 38263. The LER for this event is currently scheduled to be released in early November 2001.