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

JAN 13 2000

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) - DECEMBER 1999 MONTHLY OPERATING REPORT

Enclosure 1 provides the December 1999 Monthly Operating Report as required by WBN Technical Specification Section 5.9.4. Enclosure 2 provides a correction to the "Operating Data Report" section of the WBN operating report for November 1999. The November report was submitted by TVA's letter dated December 3, 1999.

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
cc: See Page 2

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JAN 1 3 2000

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
11555 Rockville Pike
Rockville, Maryland 20852

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

ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT (WBN)

MONTHLY OPERATING REPORT

DECEMBER 1999

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

OPERATIONAL SUMMARY
DECEMBER 1999

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began December 1999 at full power and operated at or near full power for the entire month.

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 December 1999.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: January 4, 2000

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

MONTH: December 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1,165.2	17.	1,159.7
2.	1,162.0	18.	1,159.7
3.	1,158.4	19.	1,159.5
4.	1,153.9	20.	1,161.6
5.	1,155.0	21.	1.161.6
6.	1,160.2	22.	1,163.6
7.	1,162.3	23.	1.161.9
8.	1,157.9	24.	1,168.4
9.	1,152.1	25.	1,162.8
10.	1,159.8	26.	1,162.7
11.	1,159.2	27.	1,161.3
12.	1,158.7	28.	1,160.7
13.	1,147.9	29.	1,166.0
14.	1,158.0	30.	1,160.5
15.	1,160.7	31	1,157.4
16.	1,160.2		

OPERATING DATA REPORT

Docket No. 50-390
Date: January 4, 2000
Completed By: R. D. Tolley
Telephone: (423) 365-3550

1. Unit Name: WBN Unit 1
2. Reporting Period: December 1999
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): 1173
7. Maximum Dependable Capacity (Net MWe): 1118
8. If changes Occur in Capacity Rating (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	Year-to-Date	Cumulative
11.	Hours in Reporting Period	744.0	8760.0	31537.0
12.	Number of Hours Reactor was Critical	744.0	7642.9	28493.4
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	744.0	7606.3	28355.0
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWh)	2536956	24828758	92791072
17.	Gross Electric Energy Generated (MWh)	900325	8669318	32236596
18.	Net Electrical Energy Generated (MWh)	863009	8261282	30683748
19.	Unit Service Factor	100.0	86.8	89.9
20.	Unit Availability Factor	100.0	86.8	89.9
21.	Unit Capacity Factor (Using MDC Net)	103.8	84.4	87.0
22.	Unit Capacity Factor (Using DER Net)	100.8	81.9	84.5
23.	Unit Forced Outage Rate	0.0	0.0	1.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): See Note below.

25. If Shutdown at End of Report Period, Estimate Date of Startup: See Note below.

Note: In accordance with Generic Letter 97-02, this information is currently not needed by NRC.

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: DECEMBER 1999

DOCKET NO: 50-390
UNIT NAME: WBN-1
DATE: January 4, 2000
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[4]	Cause and Corrective Action to Prevent Recurrence
									No significant power reductions or shutdowns occurred during this reporting period.

[1] F: Forced
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] Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)

Enclosure 2

Revised "Operating Data Report"

November 1999 Monthly Operating Report

TVA's Letter Dated December 3, 1999

OPERATING DATA REPORT

Docket No. 50-390
Date: December 1, 1999
Completed By: R. D. Tolley
Telephone: (423) 365-3550

1. Unit Name: WBN Unit 1
2. Reporting Period: November 1999
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): 1173
7. Maximum Dependable Capacity (Net MWe): 1118
8. If changes Occur in Capacity Rating (Item Numbers 3 through 7) Since Last Report, Give Reasons:
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	8016.0	30793.0
12.	Number of Hours Reactor was Critical	720.0	6898.9	27749.4
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator On-Line	720.0	6862.3	27611.0
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWh)	2454874*	22291802	90254116
17.	Gross Electric Energy Generated (MWh)	864957	7768993	31336271
18.	Net Electrical Energy Generated (MWh)	828680	7398273	29820739
19.	Unit Service Factor	100.0	85.6	89.7
20.	Unit Availability Factor	100.0	85.6	89.7
21.	Unit Capacity Factor (Using MDC Net)	102.9	82.6	86.6
22.	Unit Capacity Factor (Using DER Net)	100.0	80.2	84.1
23.	Unit Forced Outage Rate	0.0	0.0	1.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): See Note below.

25. If Shutdown at End of Report Period, Estimate Date of Startup: See Note below.

Note: In accordance with Generic Letter 97-02, this information is currently not needed by NRC.

*--Value submitted in TVA's letter dated December 3, 1999, was in error and read 245874.