



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

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

SEP 11 1996

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

Gentlemen:

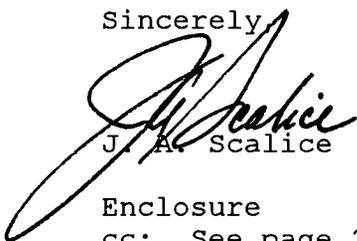
In the Matter of) Docket No. 50-390
Tennessee Valley Authority)

WATTS BAR NUCLEAR PLANT (WBN) - AUGUST 1996 MONTHLY OPERATING
REPORT

The enclosure provides the August 1996 Monthly Operating Report as
required by WBN Technical Specification 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
cc: See page 2

9609170475 960831
PDR ADOCK 05000390
R PDR

IR247,

U.S. Nuclear Regulatory Commission
Page 2

cc (Enclosure):

NRC Resident Inspector
Watts Bar Nuclear Plant
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U.S. Nuclear Regulatory Commission
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Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT UNIT 1

MONTHLY OPERATING REPORT
TO THE
NUCLEAR REGULATORY COMMISSION
AUGUST 1996

UNIT 1
DOCKET NUMBER 50-390
LICENSE NUMBER NPF-90

OPERATIONAL SUMMARY
AUGUST 1996
UNIT 1

Watts Bar Nuclear Plant (WBN) Unit 1 began August at full power. The unit operated at or near full power throughout the month.

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 August 1996.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT No. One DATE: 9/4/96
 COMPLETED BY: Randy D. Tolley TELEPHONE: (423) 365-3550

MONTH: August 1996

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | 1097.7 | 17 | 1088.0 |
| 2 | 1095.8 | 18 | 1091.0 |
| 3 | 1093.4 | 19 | 1087.0 |
| 4 | 1084.8 | 20 | 1086.9 |
| 5 | 1084.1 | 21 | 1081.0 |
| 6 | 1083.1 | 22 | 1078.1 |
| 7 | 1078.2 | 23 | 1083.6 |
| 8 | 1083.4 | 24 | 1087.6 |
| 9 | 1089.6 | 25 | 1091.6 |
| 10 | 1098.0 | 26 | 1086.1 |
| 11 | 1092.8 | 27 | 1089.8 |
| 12 | 1094.7 | 28 | 1085.5 |
| 13 | 1097.0 | 29 | 1080.0 |
| 14 | 1095.3 | 30 | 1085.1 |
| 15 | 1091.5 | 31 | 1085.1 |
| 16 | 1086.5 | | |

OPERATING DATA REPORT

DOCKET NO.: 50-390
 DATE: 9/4/96
 COMPLETED BY: R. D. Tolley
 TELEPHONE: (423)365-3550

OPERATING STATUS

1. Unit Name: Watts Bar Unit one
2. Reporting Period: August 1996
3. Licensed Thermal Power (MWt): 3411
4. Nameplate Rating (Gross MWe): 1269.8
5. Design Electrical Rating (Net MWe): 1160
6. Maximum Dependable Capacity (Gross MWe): 1150
7. Maximum Dependable Capacity (Net MWe): 1095
8. If Changes Occur in Capacity Ratings (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

| | <u>This Month</u> | <u>Yr-to-Date</u> | <u>Cumulative</u> |
|---|-------------------|-------------------|-------------------|
| 11. Hours in Reporting Period | <u>744.0</u> | <u>2328.0</u> | <u>2328.0</u> |
| 12. Number of Hours Reactor Was Critical | <u>744.0</u> | <u>2328.0</u> | <u>2328.0</u> |
| 13. Reactor Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| 14. Hours Generator On-Line | <u>744.0</u> | <u>2318.6</u> | <u>2318.6</u> |
| 15. Unit Reserve Shutdown Hours | <u>0.0</u> | <u>0.0</u> | <u>0.0</u> |
| 16. Gross Thermal Energy Generated (MWh) | <u>2,525,629</u> | <u>7,806,204</u> | <u>7,806,204</u> |
| 17. Gross Electrical Energy Generated (MWh) | <u>851,829</u> | <u>2,632,696</u> | <u>2,632,696</u> |
| 18. Net Electrical Energy Generated (MWh) | <u>809,573</u> | <u>2,502,763</u> | <u>2,502,763</u> |
| 19. Unit Service Factor | <u>100.0</u> | <u>99.6</u> | <u>99.6</u> |
| 20. Unit Availability Factor | <u>100.0</u> | <u>99.6</u> | <u>99.6</u> |
| 21. Unit Capacity Factor (Using MDC Net) | <u>99.4</u> | <u>98.2</u> | <u>98.2</u> |
| 22. Unit Capacity Factor (Using DER Net) | <u>93.8</u> | <u>92.7</u> | <u>92.7</u> |
| 23. Unit Forced Outage Rate | <u>0.0</u> | <u>0.4</u> | <u>0.4</u> |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
September 27, 1996 - Mid Cycle Surveillance Instruction (SI) Outage for approximately 17 days

25. If Shut Down at End of Report Period, Estimated Date of Startup: N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: August 1996

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: 9/5/96
 COMPLETED BY: R. D. Tolley
 TELEPHONE: (423)365-3550

None to report.

| 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 |
|-----|------|-------------------|------------------|---------------------|--|---------------------------|--------------------------|-----------------------------|---|
| N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

¹F: Forced
 S: Scheduled

²Reason:
 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)

³Method
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continuation of Existing Outage
 5-Reduction
 9-Other

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

⁵Exhibit I-Same Source