

U.S. Nuclear Regulatory Commission
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cc (Enclosures):

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

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
WATTS BAR NUCLEAR PLANT (WBN)
MONTHLY OPERATING REPORT
JANUARY 2001

UNIT 1

DOCKET NUMBER 50-390

LICENSE NUMBER NPF-90

**OPERATIONAL SUMMARY
JANUARY 2001**

I. WATTS BAR UNIT 1 OPERATIONAL SUMMARY

Watts Bar Nuclear Plant Unit 1 began January 2001 at full power. The unit operated at or near full power for the 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 January 2001.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-390 UNIT NO. ONE DATE: February 5, 2001

COMPLETED BY: David Flourney TELEPHONE: (423) 365-3803

MONTH: JANUARY 2001

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1. | 1,157.9 | 17. | 1,168.5 |
| 2. | 1,165.7 | 18. | 1,158.8 |
| 3. | 1,166.7 | 19. | 1,169.4 |
| 4. | 1,160.9 | 20. | 1,164.0 |
| 5. | 1,166.1 | 21. | 1,177.6 |
| 6. | 1,065.3 | 22. | 1,151.1 |
| 7. | 1,154.1 | 23. | 1,176.9 |
| 8. | 1,167.2 | 24. | 1,171.3 |
| 9. | 1,164.8 | 25. | 1,172.4 |
| 10. | 1,160.7 | 26. | 1,173.9 |
| 11. | 1,164.9 | 27. | 1,168.3 |
| 12. | 1,165.3 | 28. | 1,179.4 |
| 13. | 1,167.5 | 29. | 1,174.2 |
| 14. | 1,159.2 | 30. | 1,162.1 |
| 15. | 1,175.2 | 31. | 1,169.2 |
| 16. | 1,159.7 | | |

OPERATING DATA REPORT

Docket No. **50-390**
 Date: **February 5, 2001**
 Completed By: **D. K. Flournoy**
 Telephone: **(423) 365-3803**

- | | |
|---|--|
| 1. Unit Name: | <u>WBN Unit 1</u> |
| 2. Reporting Period: | <u>January 2001</u> |
| 3. Licensed Thermal Power (MWt): | <u>3411 (3459 - See Note 1)</u> |
| 4. Nameplate Rating (Gross Mwe): | <u>1269.8</u> |
| 5. Design Electrical Rating (Net Mwe): | <u>1150.9</u> |
| 6. Maximum Dependable Capacity (Gross MWe): | <u>1173</u> |
| 7. Maximum Dependable Capacity (Net MWe): | <u>1118</u> |
| 8. If changes Occur in Capacity Rating (Item Numbers 3 through 7) Since Last Report, Give Reasons: | <u>See Note 1.</u> |
| 9. Power Level To Which Restricted, If any (net MWe): | <u>N/A</u> |
| 10. Reasons for Restrictions, If any: | <u>N/A</u> |

| | This Month | Year-to-Date | Cumulative |
|---|-------------------|---------------------|-------------------|
| 11. Hours in Reporting Period | 744.0 | 744.0 | 41065.0 |
| 12. Number of Hours Reactor was Critical | 744.0 | 744.0 | 37392.6 |
| 13. Reactor Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 14. Hours Generator On-Line | 744.0 | 744.0 | 37223.3 |
| 15. Unit Reserve Shutdown Hours | 0.0 | 0.0 | 0.0 |
| 16. Gross Thermal Energy Generated (MWh) | 2539043 | 2539043 | 122502339 |
| 17. Gross Electric Energy Generated (MWh) | 902623 | 902623 | 42639402 |
| 18. Net Electrical Energy Generated (MWh) | 865401 | 865401 | 40625542 |
| 19. Unit Service Factor | 100.0 | 100.0 | 90.6 |
| 20. Unit Availability Factor | 100.0 | 100.0 | 90.6 |
| 21. Unit Capacity Factor (Using MDC Net) | 104.0 | 104.0 | 88.5 |
| 22. Unit Capacity Factor (Using DER Net) | 101.1 | 101.1 | 86.0 |
| 23. Unit Forced Outage Rate | 0.0 | 0.0 | 1.4 |
| 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): | See Note 2 below. | | |
| 25. If Shutdown at End of Report Period, Estimate Date of Startup: | See Note 2 below. | | |

Note 1: NRC approved a power uprate for WBN 1 from 3411 to 3459 on January 19, 2001. Generation data reflecting implementation of this uprate is shown in this report. The impact of this MW_t uprate on items 6 and 7 is still under review.

Note 2: In accordance with Generic Letter 97-02, this information is currently not needed by NRC.

**UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: JANUARY 2001**

DOCKET NO: 50-390
 UNIT NAME: WBN-1
 DATE: February 5, 2001
 COMPLETED BY: D. K. Flourney
 TELEPHONE: (423) 365-3803

| 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)**