

January 11, 2005

U.S. Nuclear Regulatory Commission  
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Mail Stop: OWFN, P1-35  
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of	)	Docket Nos. 50-259
Tennessee Valley Authority	)	50-260
		50-296

**BROWNS FERRY NUCLEAR PLANT (BFN) - DECEMBER 2004 MONTHLY  
OPERATING REPORT**

The enclosure provides the December 2004 Monthly Operating Report (MOR) as required by BFN Technical Specifications, Section 5.6.4.

If you have any questions concerning this report, please call me at (256) 729-2636.

Sincerely,

Original signed by:

T. E. Abney  
Manager of Licensing  
and Industry Affairs

Enclosure

cc: See page 2

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Enclosure

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(Via NRC Electronic Distribution)

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

DECEMBER 2004

UNIT 1

DOCKET NUMBER 50-259

LICENSE NUMBER DPR-33

UNIT 2

DOCKET NUMBER 50-260

LICENSE NUMBER DPR-52

UNIT 3

DOCKET NUMBER 50-296

LICENSE NUMBER DPR-68

## OPERATING DATA REPORT

Docket No. 50-259  
Unit Name BFN Unit 1  
Date January 5, 2005  
Completed By J. E. Wallace  
Telephone (256) 729-7874  
Reporting Period December 2004  
1. Design Electrical Rating (Net MWe): 1065  
2. Maximum Dependable Capacity (MWe-Net) 0

	<u>Month</u>	<u>Yr-to-Date</u>	<u>Cumulative*</u>
3. Number of Hours Reactor was Critical	0	0	59521
4. Hours Generator On-Line	0	0	58267
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	0	0	53,796,427

\* Excludes hours under Administration Hold (June 1, 1985 to Present)

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## OPERATING DATA REPORT

Docket No. 50-260  
Unit Name BFN Unit 2  
Date January 5, 2005  
Completed By J. E. Wallace  
Telephone (256) 729-7874  
Reporting Period December 2004  
1. Design Electrical Rating (Net MWe): 1120  
2. Maximum Dependable Capacity (MWe-Net) 1118

	<u>Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours Reactor was Critical	744	8720	165,054
4. Hours Generator On-Line	744	8715	162,366
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	839,905	9,785,981	163,307,929

## OPERATING DATA REPORT

Docket No. 50-296  
 Unit Name BFN Unit 3  
 Date January 5, 2005  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period December 2004  
 1. Design Electrical Rating (Net MWe): 1120  
 2. Maximum Dependable Capacity (MWe-Net) 1118

	<u>Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours Reactor was Critical	744	8057	121,781
4. Hours Generator On-Line	744	8001	120,288
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	836,381	8,701,825	124,010,428

**UNIT SHUTDOWNS  
REPORT MONTH: DECEMBER 2004**

**DOCKET NO:** 50-259  
**UNIT NAME:** BFN-1  
**DATE:** January 5, 2005  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason <sup>1</sup>	Method of Shutting Down Reactor <sup>2</sup>	Cause and Corrective Action to Prevent Recurrence
1	06/01/85	S	744	F	4	Administrative hold to resolve various TVA and NRC concerns.

**<sup>1</sup> 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)

**<sup>2</sup> Method**

- 1-Manual
- 2-Manual Trip/Scram
- 3-Automatic Trip/Scram
- 4-Continuation Outage
- 5-Other (Explain)

**SUMMARY:** Unit 1 has been on administrative hold since June 1, 1985.

**UNIT SHUTDOWNS**

**REPORT MONTH: DECEMBER 2004**

**DOCKET NO:** 50-260  
**UNIT NAME:** BFN-2  
**DATE:** January 5, 2005  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason <sup>1</sup>	Method of Shutting Down Reactor <sup>2</sup>	Cause and Corrective Action to Prevent Recurrence
N/A						

<sup>1</sup> 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)

<sup>2</sup> Method

- 1-Manual
- 2-Manual Trip/Scram
- 3-Automatic Trip/Scram
- 4-Continuation Outage
- 5-Other (Explain)

**SUMMARY:** Unit 2 has operated at or near 100 percent available power except for testing.



**UNIT SHUTDOWNS  
REPORT MONTH: DECEMBER 2004**

**DOCKET NO:** 50-296  
**UNIT NAME:** BFN-3  
**DATE:** January 5, 2005  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason <sup>1</sup>	Method of Shutting Down Reactor <sup>2</sup>	Cause and Corrective Action to Prevent Recurrence
N/A						

**<sup>1</sup> 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)

**<sup>2</sup> Method**

- 1-Manual
- 2-Manual Trip/Scram
- 3-Automatic Trip/Scram
- 4-Continuation Outage
- 5-Other (Explain)

**SUMMARY:** Unit 3 has operated at or near 100 percent available power except for testing.