

December 8, 2003

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
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) - NOVEMBER 2003 MONTHLY  
OPERATING REPORT**

The enclosure provides the November 2003 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

U.S. Nuclear Regulatory Commission  
Page 3  
December 8, 2003

DTL:JEW:BAB

Enclosure

cc (Enclosure):

D. K. Baker, BR 3H-C  
A. S. Bhatnagar, PAB 1E-BFN  
M. J. Burzynski, BR 4X-C  
J. E. Maddox, LP 6A-C  
D. C. Olcsvary, LP 6A-C  
C. M. Root, PAB 1G-BFN  
J. R. Rupert, NAB 1A-BFN  
K. W. Singer, LP 6A-C  
M. D. Skaggs, POB 2C-BFN  
E. J. Vigluicci ET 11A-K  
NSRB Support, LP 5M-C  
EDMS-K

S:\lic\submit\subs\MORnovember2003.doc

ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

NOVEMBER 2003

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 December 2, 2003  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period November 2003  
 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)

## OPERATING DATA REPORT

Docket No. 50-260  
 Unit Name BFN Unit 2  
 Date December 2, 2003  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period November 2003  
 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	559.8	7183	155,590
4. Hours Generator On-Line	549.8	7145	152,907
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated			

(MWh)

613,989

7,521,828

152,674,554

## OPERATING DATA REPORT

Docket No. 50-296  
Unit Name BFN Unit 3  
Date December 2, 2003  
Completed By J. E. Wallace  
Telephone (256) 729-7874  
Reporting Period November 2003

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	720	7732	112,980
4. Hours Generator On-Line	720	7719	111,543
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	807,212	8,482,623	114,465,493

**UNIT SHUTDOWNS  
REPORT MONTH: NOVEMBER 2003**

**DOCKET NO:** 50-259  
**UNIT NAME:** BFN-1  
**DATE:** December 2, 2003  
**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	720	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: NOVEMBER 2003**

**DOCKET NO:** 50-260  
**UNIT NAME:** BFN-2  
**DATE:** December 2, 2003  
**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
4	11/01/03	S	170.2	A	1	On October 28, 2003, at 0911 hours, Unit 2 was manually shutdown to repair the failure of the number 2 extraction steam line bellows. On November 7, 2003, at 1610 hours, the reactor achieved criticality. On November 8, 2003, at 0214 hours, this mid-cycle outage ended when the main generator breaker was closed.

<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 as noted above.

**UNIT SHUTDOWNS  
REPORT MONTH: NOVEMBER 2003**

**DOCKET NO:** 50-296  
**UNIT NAME:** BFN-3  
**DATE:** December 2, 2003  
**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.