

May 13, 2004

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) - APRIL 2004 MONTHLY  
OPERATING REPORT**

The enclosure provides the April 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

U.S. Nuclear Regulatory Commission  
Page 2  
May 13, 2004

Enclosure

cc (Enclosure):

(Via NRC Electronic Distribution)

Mr. Kahtan N. Jabbour, Senior Project Manager  
U.S. Nuclear Regulatory Commission  
One White Flint, North  
(MS 08G9)  
Office of Nuclear Reactor Regulation  
11555 Rockville Pike  
Rockville, Maryland 20852-2738

NRC Resident Inspector  
Browns Ferry Nuclear Plant  
10833 Shaw Road  
Athens, Alabama 35611-6970

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, S.W., Suite 23T85  
Atlanta, Georgia 30303-8931

Eva A. Brown, Project Manager  
U.S. Nuclear Regulatory Commission  
(MS 08G9)  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20852-2739

Mr. Stephen J. Cahill, Branch Chief  
U.S. Nuclear Regulatory Commission  
Region II  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW, Suite 23T85  
Atlanta, Georgia 30303-8931

U.S. Nuclear Regulatory Commission  
Page 3  
May 13, 2004

JEW:BAB

Enclosure

cc (Enclosure):

D. K. Baker, BR 3H-C  
A. S. Bhatnagar, PAB 1E-BFN  
M. J. Burzynski, BR 4X-C  
D. F. Helms, BR 4T-C  
R. G. Jones, NAB 1A-BFN  
J. E. Maddox, LP 6A-C  
R. F. Marks, PAB 1C-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\MOR April 04.doc

ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

APRIL 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 May 5, 2004  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period April 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<br>Reactor was Critical  | 0            | 0                 | 59521              |
| 4. | Hours Generator<br>On-Line               | 0            | 0                 | 58267              |
| 5. | Unit Reserve<br>Shutdown Hours           | 0            | 0                 | 0                  |
| 6. | Net Electrical Energy Generated<br>(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 May 5, 2004  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period April 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<br>Reactor was Critical  | 719          | 2903              | 159,237           |
| 4. | Hours Generator<br>On-Line               | 719          | 2903              | 156,554           |
| 5. | Unit Reserve<br>Shutdown Hours           | 0            | 0                 | 0                 |
| 6. | Net Electrical Energy Generated<br>(MWh) | 814,677      | 3,291,990         | 156,813,938       |

## OPERATING DATA REPORT

Docket No. 50-296  
 Unit Name BFN Unit 3  
 Date May 5, 2004  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period April 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<br>Reactor was Critical  | 719          | 2206              | 115,930           |
| 4. | Hours Generator<br>On-Line               | 712          | 2175              | 114,462           |
| 5. | Unit Reserve<br>Shutdown Hours           | 0            | 0                 | 0                 |
| 6. | Net Electrical Energy Generated<br>(MWh) | 784,894      | 2,305,829         | 117,614,432       |

**UNIT SHUTDOWNS  
REPORT MONTH: APRIL 2004**

**DOCKET NO:** 50-259  
**UNIT NAME:** BFN-1  
**DATE:** May 5, 2004  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

| No. | Date     | Type<br>F: Forced<br>S: Scheduled | Duration<br>(Hours) | Reason <sup>1</sup> | Method of<br>Shutting<br>Down<br>Reactor <sup>2</sup> | Cause and Corrective Action to Prevent Recurrence            |
|-----|----------|-----------------------------------|---------------------|---------------------|---|--|
| 1   | 06/01/85 | S                                 | 719                 | 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: APRIL 2004**

**DOCKET NO:** 50-260  
**UNIT NAME:** BFN-2  
**DATE:** May 5, 2004  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

| No. | Date | Type<br>F: Forced<br>S: Scheduled | Duration<br>(Hours) | Reason <sup>1</sup> | Method of<br>Shutting<br>Down<br>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.



**UNIT SHUTDOWNS**  
**REPORT MONTH: APRIL 2004**

**DOCKET NO:** 50-296  
**UNIT NAME:** BFN-3  
**DATE:** May 5, 2004  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

| No. | Date     | Type<br>F: Forced<br>S: Scheduled | Duration<br>(Hours) | Reason <sup>1</sup> | Method of<br>Shutting<br>Down<br>Reactor <sup>2</sup> | Cause and Corrective Action to Prevent Recurrence  |
|-----|----------|-----------------------------------|---------------------|---------------------|---|--|
| 2   | 03/31/04 | S                                 | 6.5                 | B                   | 5   | As a result of the continued Unit 3 cycle 11 refueling outage, on March 31, 2004, at 2020 hours, the main turbine was shutdown after load was removed from the main generator to support balance weight installation. The turbine was balanced, and the plant was tied to the grid on April 1, 2004 at 0630 hours. |

<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 as noted above.