



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

April 14, 2001

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

Gentlemen:

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

**BROWNS FERRY NUCLEAR PLANT (BFN) - APRIL 2001 MONTHLY  
OPERATING REPORT**

Enclosure 1 provides the April 2001 Monthly Operating Report (MOR) as required by BFN Technical Specifications Section 5.6.4.

The Unit 3 Net Electrical Energy Generated (MWh) value in the March 2001 MOR on Page E-8, line item 18, was incorrectly reported as 760,642. The correct value is 838,534. Enclosure 2 provides the corrected March 2001, Page E-8.

In accordance with NRC RIS 2001-05, only one paper copy of this document is being sent to the NRC Document Control Desk. If you have any questions concerning this report, please call me at (256) 729-2636.

Sincerely,

  
T. E. Abney  
Manager of Licensing  
and Industry Affairs

Enclosure  
cc: See page 2

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Enclosure

cc (Enclosure):

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ENCLOSURE 1

TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

APRIL 2001

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

**OPERATIONAL SUMMARY  
APRIL 2001**

**BROWNS FERRY NUCLEAR PLANT UNIT 1**

Unit 1 remains shutdown on administrative hold to resolve various TVA and NRC concerns. Unit 1 has been on administrative hold since June 1, 1985. As a result, TVA considers that accrual of reporting hours is suspended since the unit has a maximum dependable capacity (MDC) of zero MWe. Accordingly, TVA does not report cumulative hours for the period beginning June 1, 1985, when calculating the operating status variables.

**BROWNS FERRY NUCLEAR PLANT UNIT 2**

The unit continued in the Cycle 11 outage which began on March 18, 2001, at 0900 hours. The unit was tied to the grid on April 25, 2001, at 1943 hours. For the month of April, Unit 2 generated 55,690 megawatt hours gross electrical power and operated at a net capacity factor of 6.4 percent MDC. As of April 30, 2001, Unit 2 has operated continuously for 2 days.

**BROWNS FERRY NUCLEAR PLANT UNIT 3**

For the month of April, Unit 3 generated 827,430 megawatt hours gross electrical power and operated at a net capacity factor of 100.7 percent MDC. As of April 30, 2001, Unit 3 has operated continuously for 340 days.

## OPERATING DATA REPORT

Docket No. 50-259  
 Unit Name BFN Unit 1  
 Date May 7, 2001  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period April 2001  
 1. Design Electrical Rating (Net MWe): 1065  
 2. Maximum Dependable Capacity (MWe-Net) 0

	Month	Yr-to-Date	Cumulative*
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	53796427

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

## OPERATING DATA REPORT

Docket No. 50-260  
 Unit Name BFN Unit 2  
 Date May 7 2001  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period April 2001  
 1. Design Electrical Rating (Net MWe): 1120  
 2. Maximum Dependable Capacity (MWe-Net) 1118

	Month	Yr-to-Date	Cumulative
3. Number of Hours Reactor was Critical	202	2,035	134,345
4. Hours Generator On-Line	62	1895	131,751
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	51,256	2,024,795	129,851,701

## OPERATING DATA REPORT

Docket No. 50-296  
 Unit Name BFN Unit 3  
 Date May 7, 2001  
 Completed By J. E. Wallace  
 Telephone (256) 729-7874  
 Reporting Period April 2001

1. Design Electrical Rating (Net MWe): 1120
2. Maximum Dependable Capacity (MWe-Net) 1118

	<b>Month</b>	<b>Yr-to-Date</b>	<b>Cumulative</b>
3. Number of Hours Reactor was Critical	719	2,879	90,949
4. Hours Generator On-Line	719	2,879	89,535
5. Unit Reserve Shutdown Hours	0	0	0
6. Net Electrical Energy Generated (MWh)	809,487	3,243,007	90,162,442

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

**DOCKET NO:** 50-259  
**UNIT NAME:** BFN-1  
**DATE:** May 4, 2001  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>4</sup>	Cause and Corrective Action to Prevent Recurrence
1	06/01/85	S	719	F	4	N/A	N/A	N/A	Administrative hold to resolve various TVA and NRC concerns.

<sup>1</sup> **F: Forced**  
**S: Scheduled**

<sup>2</sup> **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)

<sup>3</sup> **Method**  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continuation of Existing Outage  
 5-Reduction  
 9-Other

<sup>4</sup> **Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)**

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

**DOCKET NO:** 50-260  
**UNIT NAME:** BFN-2  
**DATE:** May 4, 2001  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

No.	Date	Type	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>4</sup>	Cause and Corrective Action to Prevent Recurrence
1	04/01/01	S	619.7	C	4	N/A	N/A	N/A	The unit continued in the Cycle 11 outage which began on March 18, 2001, at 0900 hours. The unit was tied to the grid on April 25, 2001, at 1943 hours.

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> 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)

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

<sup>4</sup> Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)

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

**DOCKET NO:** 50-296  
**UNIT NAME:** BFN-3  
**DATE:** May 4, 2001  
**COMPLETED BY:** J. E. Wallace  
**TELEPHONE:** (256) 729-7874

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>4</sup>	Cause and Corrective Action to Prevent Recurrence
N/A									

<sup>1</sup> **F: Forced**  
**S: Scheduled**

<sup>2</sup> **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)

<sup>3</sup> **Method**  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continuation of Existing Outage  
 5-Reduction  
 9-Other

<sup>4</sup> **Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) (NUREG - 1022)**

ENCLOSURE 2

TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)

CORRECTED OPERATING DATA REPORT  
FOR MARCH 2001, PAGE E-8

# OPERATING DATA REPORT

Docket No. 50-296  
 Date: April 6, 2001  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

- 1. Unit Name: **BFN Unit 3**
- 2. Reporting Period: **MARCH 2001**
- 3. Licensed Thermal Power (MWt): **3458**
- 4. Nameplate Rating (Gross Mwe): **1190**
- 5. Design Electrical Rating (Net Mwe): **1120**
- 6. Maximum Dependable Capacity (Gross MWe): **1155**
- 7. Maximum Dependable Capacity (Net MWe): **1118**
  
- 8. If changes Occur in Capacity Rating (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><b>This Month</b></u>	<u><b>Yr-To-Date</b></u>	<u><b>Cumulative*</b></u>
11. Hours in Reporting Period	<u>744</u>	<u>2160</u>	<u>120061</u>
12. Number of Hours Reactor was Critical	<u>744</u>	<u>2160</u>	<u>90230</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>31245</u>
14. Hours Generator On-Line	<u>744</u>	<u>2160</u>	<u>88816</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2565694</u>	<u>7442510</u>	<u>277462230</u>
17. Gross Electric Energy Generated (MWh)	<u>857310</u>	<u>2487530</u>	<u>92604760</u>
18. Net Electrical Energy Generated (MWh)	<u>838534</u>	<u>2433520</u>	<u>89352955</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>74.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>74.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.8</u>	<u>100.8</u>	<u>69.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>100.6</u>	<u>100.6</u>	<u>69.6</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>12.3</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <b>In accordance with Generic Letter 97-02, this information is no longer required by NRC.</b>			
25. If Shutdown at End of Report Period, Estimate Date of Startup: <b>In accordance with Generic Letter 97-02, this information is no longer required by NRC.</b>			

\* Excludes hours under Administrative Hold (June 1, 1985 to November 19, 1995)