



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000  
November 13, 2000

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

Gentlemen:

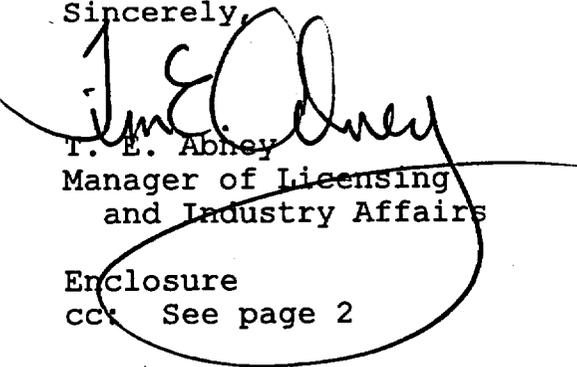
In the Matter of	)	Docket Nos.	50-259
Tennessee Valley Authority	)		50-260
			50-296

**BROWNS FERRY NUCLEAR PLANT (BFN) - OCTOBER 2000 MONTHLY  
OPERATING REPORT**

The enclosure provides the October 2000 Monthly Operating Report 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,

  
T. E. Abney  
Manager of Licensing  
and Industry Affairs

Enclosure  
cc: See page 2

IE24

U.S. Nuclear Regulatory Commission  
Page 2  
November 13, 2000

Enclosure

cc (Enclosure):

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**ENCLOSURE**

**TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)**

**MONTHLY OPERATING REPORT**

**OCTOBER 2000**

**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  
OCTOBER 2000**

**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**

For the month of October, Unit 2 generated 855,990 megawatt hours gross electrical power and operated at a net capacity factor of 100.5 percent MDC. As of October 31 2000, Unit 2 has operated continuously for 121 days.

**BROWNS FERRY NUCLEAR PLANT UNIT 3**

For the month of October, Unit 3 generated 854,390 megawatt hours gross electrical power and operated at a net capacity factor of 100.3 percent MDC. As of October 31, 2000, Unit 3 has operated continuously for 159 days.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: November 3, 2000

COMPLETED BY: J. E. Wallace TELEPHONE 256-729-7874

MONTH OCTOBER 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	0	17.	0
2.	0	18.	0
3.	0	19.	0
4.	0	20.	0
5.	0	21.	0
6.	0	22.	0
7.	0	23.	0
8.	0	24.	0
9.	0	25.	0
10.	0	26.	0
11.	0	27.	0
12.	0	28.	0
13.	0	29.	0
14.	0	30.	0
15.	0	31.	0
16.	0		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260 UNIT NO. TWO DATE: November 3, 2000  
COMPLETED BY: J. E. Wallace TELEPHONE 256-729-7874  
MONTH OCTOBER 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1121	17.	1126
2.	1118	18.	1126
3.	1119	19.	1127
4.	1119	20.	1126
5.	1117	21.	1124
6.	1118	22.	1128
7.	1126	23.	1126
8.	1127	24.	1127
9.	1130	25.	1128
10.	1131	26.	1126
11.	1125	27.	1128
12.	1132	28.	1126
13.	1126	29.	1126
14.	1126	30.	1128
15.	1126	31.	1128
16.	1128		

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296      UNIT NO. THREE      DATE: November 6, 2000  
 COMPLETED BY: J. E. Wallace      TELEPHONE 256-729-7874  
 MONTH OCTOBER 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1121	17.	1120
2.	1120	18.	1123
3.	1115	19.	1123
4.	1116	20.	1123
5.	1116	21.	1126
6.	1111	22.	1123
7.	1119	23.	1125
8.	1124	24.	1123
9.	1127	25.	1124
10.	1128	26.	1124
11.	1127	27.	1124
12.	1124	28.	1124
13.	1126	29.	1123
14.	1125	30.	1124
15.	1123	31.	1135
16.	1124		

## OPERATING DATA REPORT

Docket No. 50-259  
 Date: November 3, 2000  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 1**  
 2. Reporting Period: **OCTOBER 2000**  
 3. Licensed Thermal Power (MWt): **3293**  
 4. Nameplate Rating (Gross Mwe): **1152**  
 5. Design Electrical Rating (Net Mwe): **1065**  
 6. Maximum Dependable Capacity (Gross MWe): **0**  
 7. Maximum Dependable Capacity (Net MWe): **0**  
 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): **0**  
 10. Reasons for Restrictions, If any: **Administrative Hold**

		<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative*</u>
11.	Hours in Reporting Period	<u>0</u>	<u>0</u>	<u>95743</u>
12.	Number of Hours Reactor was Critical	<u>0</u>	<u>0</u>	<u>59521</u>
13.	Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>6997</u>
14.	Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>58267</u>
15.	Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16.	Gross Thermal Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>168066787</u>
17.	Gross Electric Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>55398130</u>
18.	Net Electrical Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>53796427</u>
19.	Unit Service Factor	<u>0</u>	<u>0</u>	<u>60.9</u>
20.	Unit Availability Factor	<u>0</u>	<u>0</u>	<u>60.9</u>
21.	Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>52.8</u>
22.	Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>52.8</u>
23.	Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>25.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **N/A**

25. If Shutdown at End of Report Period, Estimate Date of Startup: **To Be Determined**

\* Excludes hours under Administrative Hold  
(June 1, 1985 to present)

## OPERATING DATA REPORT

Docket No.	<u>50-260</u>
Date:	<u>November 3, 2000</u>
Completed By:	<u>J. E. Wallace</u>
Telephone:	<u>(256) 729-7874</u>

1.	Unit Name:	<u>BFN Unit 2</u>
2.	Reporting Period:	<u>OCTOBER 2000</u>
3.	Licensed Thermal Power (MWt):	<u>3458</u>
4.	Nameplate Rating (Gross Mwe):	<u>1190</u>
5.	Design Electrical Rating (Net Mwe):	<u>1120</u>
6.	Maximum Dependable Capacity (Gross MWe):	<u>1155</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: *N/A*

9. Power Level To Which Restricted, If any (net MWe): *N/A*

10. Reasons for Restrictions, If any: *N/A*

		<u>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative*</u>
11.	Hours in Reporting Period	<u>745</u>	<u>7320</u>	<u>173215</u>
12.	Number of Hours Reactor was Critical	<u>745</u>	<u>7269</u>	<u>130846</u>
13.	Reactor Reserve Shutdown Hours	<u>0</u>	<u>56.4</u>	<u>44823</u>
14.	Hours Generator On-Line	<u>745</u>	<u>7264</u>	<u>128392</u>
15.	Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16.	Gross Thermal Energy Generated (MWh)	<u>2574559</u>	<u>24973721</u>	<u>390071889</u>
17.	Gross Electric Energy Generated (MWh)	<u>855990</u>	<u>8277440</u>	<u>129594628</u>
18.	Net Electrical Energy Generated (MWh)	<u>837325</u>	<u>8096625</u>	<u>126190070</u>
19.	Unit Service Factor	<u>100.0</u>	<u>99.2</u>	<u>74.1</u>
20.	Unit Availability Factor	<u>100.0</u>	<u>99.2</u>	<u>74.1</u>
21.	Unit Capacity Factor (Using MDC Net)	<u>100.5</u>	<u>98.9</u>	<u>68.2</u>
22.	Unit Capacity Factor (Using DER Net)	<u>100.4</u>	<u>98.8</u>	<u>68.1</u>
23.	Unit Forced Outage Rate	<u>0.0</u>	<u>0.77</u>	<u>11.9</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **In accordance with Generic Letter 97-02, this information is no longer required by NRC.**

25. If Shutdown at End of Report Period, Estimate Date of Startup: *N/A*

\* Excludes hours under Administrative Hold (June 1, 1985 to May 24, 1991)

## OPERATING DATA REPORT

Docket No. 50-296  
 Date: November 3, 2000  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: BFN Unit 3  
 2. Reporting Period: OCTOBER 2000  
 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>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative*</u>
11.	Hours in Reporting Period	<u>745</u>	<u>7320</u>	<u>116437</u>
12.	Number of Hours Reactor was Critical	<u>745</u>	<u>6865</u>	<u>86606</u>
13.	Reactor Reserve Shutdown Hours	<u>0</u>	<u>472</u>	<u>31245</u>
14.	Hours Generator On-Line	<u>745</u>	<u>6847</u>	<u>85192</u>
15.	Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16.	Gross Thermal Energy Generated (MWh)	<u>2575212</u>	<u>23145710</u>	<u>264971171</u>
17.	Gross Electric Energy Generated (MWh)	<u>854390</u>	<u>7622080</u>	<u>88430130</u>
18.	Net Electrical Energy Generated (MWh)	<u>835390</u>	<u>7447573</u>	<u>85269635</u>
19.	Unit Service Factor	<u>100.0</u>	<u>93.5</u>	<u>73.2</u>
20.	Unit Availability Factor	<u>100.0</u>	<u>93.5</u>	<u>73.2</u>
21.	Unit Capacity Factor (Using MDC Net)	<u>100.3</u>	<u>91.0</u>	<u>68.7</u>
22.	Unit Capacity Factor (Using DER Net)	<u>100.1</u>	<u>90.8</u>	<u>68.6</u>
23.	Unit Forced Outage Rate	<u>0.0</u>	<u>0.7</u>	<u>12.7</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **In accordance with Generic Letter 97-02, this information is no longer required by NRC.**

25. If Shutdown at End of Report Period, Estimate Date of Startup: N/A

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

**UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: OCTOBER 2000**

**DOCKET NO:** 50-259  
**UNIT NAME:** BFN-1  
**DATE:** November 3, 2000  
**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	745	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: OCTOBER 2000**

**DOCKET NO:** 50-260  
**UNIT NAME:** BFN-2  
**DATE:** November 3, 2000  
**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
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)

**UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: OCTOBER 2000**

**DOCKET NO:** 50-296  
**UNIT NAME:** BFN-3  
**DATE:** November 3, 2000  
**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)**