



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

December 12, 2000

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

Gentlemen:

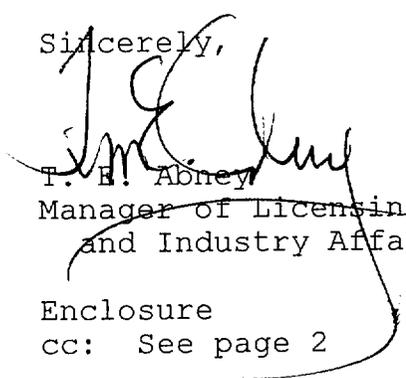
In the Matter of	)	Docket Nos.	50-259
Tennessee Valley Authority	)		50-260
			50-296

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

The enclosure provides the November 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

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December 12, 2000

Enclosure

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

NOVEMBER 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  
NOVEMBER 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 November, Unit 2 generated 829,160 megawatt hours gross electrical power and operated at a net capacity factor of 100.8 percent MDC. As of November 30, 2000, Unit 2 has operated continuously for 151 days.

**BROWNS FERRY NUCLEAR PLANT UNIT 3**

For the month of November, Unit 3 generated 831,300 megawatt hours gross electrical power and operated at a net capacity factor of 101.0 percent MDC. As of November 30, 2000, Unit 3 has operated continuously for 189 days.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: December 4, 2000

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

MONTH NOVEMBER 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		
16.	0		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260 UNIT NO. TWO DATE: December 4, 2000

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

MONTH NOVEMBER 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1119	17.	1128
2.	1119	18.	1127
3.	1117	19.	1130
4.	1121	20.	1127
5.	1119	21.	1132
6.	1122	22.	1129
7.	1121	23.	1130
8.	1122	24.	1129
9.	1127	25.	1129
10.	1129	26.	1129
11.	1130	27.	1129
12.	1129	28.	1129
13.	1129	29.	1128
14.	1132	30.	1128
15.	1128		
16.	1129		

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-296      UNIT NO. THREE      DATE: December 4, 2000  
 COMPLETED BY: J. E. Wallace      TELEPHONE 256-729-7874  
 MONTH NOVEMBER 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1127	17.	1131
2.	1128	18.	1131
3.	1128	19.	1134
4.	1128	20.	1132
5.	1129	21.	1130
6.	1113	22.	1128
7.	1103	23.	1135
8.	1125	24.	1131
9.	1125	25.	1131
10.	1130	26.	1130
11.	1130	27.	1129
12.	1132	28.	1132
13.	1130	29.	1131
14.	1128	30.	1131
15.	1133		
16.	1133		

## OPERATING DATA REPORT

Docket No. 50-259  
 Date: December 4, 2000  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 1**
2. Reporting Period: **NOVEMBER 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. 50-260  
 Date: December 4, 2000  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

- 1. Unit Name: **BFN Unit 2**
- 2. Reporting Period: **NOVEMBER 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><b>This Month</b></u>	<u><b>Yr-To-Date</b></u>	<u><b>Cumulative*</b></u>
11. Hours in Reporting Period	720	8040	173935
12. Number of Hours Reactor was Critical	720	7989	131566
13. Reactor Reserve Shutdown Hours	0	56.4	44823
14. Hours Generator On-Line	720	7984	129112
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWh)	2488368	27462089	392560257
17. Gross Electric Energy Generated (MWh)	829160	9106600	130423788
18. Net Electrical Energy Generated (MWh)	811074	8907699	127001145
19. Unit Service Factor	100.0	99.3	74.2
20. Unit Availability Factor	100.0	99.3	74.2
21. Unit Capacity Factor (Using MDC Net)	100.8	99.1	68.4
22. Unit Capacity Factor (Using DER Net)	100.6	98.9	68.2
23. Unit Forced Outage Rate	0.0	0.70	11.8

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: December 4, 2000  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 3**
2. Reporting Period: **NOVEMBER 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	720	8040	117157
12. Number of Hours Reactor was Critical	720	7585	87326
13. Reactor Reserve Shutdown Hours	0	472	31245
14. Hours Generator On-Line	720	7567	85912
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWh)	2488865	25634575	267460035
17. Gross Electric Energy Generated (MWh)	831300	8453380	89261430
18. Net Electrical Energy Generated (MWh)	812633	8260206	86082286
19. Unit Service Factor	100.0	94.1	73.3
20. Unit Availability Factor	100.0	94.1	73.3
21. Unit Capacity Factor (Using MDC Net)	101.0	91.9	68.9
22. Unit Capacity Factor (Using DER Net)	100.8	91.7	68.8
23. Unit Forced Outage Rate	0.0	0.6	12.6

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: NOVEMBER 2000**

**DOCKET NO:** 50-259  
**UNIT NAME:** BFN-1  
**DATE:** December 4, 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	720	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: NOVEMBER 2000**

**DOCKET NO:** 50-260  
**UNIT NAME:** BFN-2  
**DATE:** December 4, 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: NOVEMBER 2000**

**DOCKET NO:** 50-296  
**UNIT NAME:** BFN-3  
**DATE:** December 4, 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)**