



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

February 15, 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) - JANUARY 2001 MONTHLY  
OPERATING REPORT**

The enclosure provides the January 2001 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

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U.S. Nuclear Regulatory Commission  
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Enclosure

cc (Enclosure):

Mr. Paul E. Fredrickson, Branch Chief  
U.S. Nuclear Regulatory Commission  
Region II  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, S.W., Suite 23T85  
Atlanta, Georgia 30303

Mr. Herbert N. Berkow, Director  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation  
11555 Rockville Pike  
Rockville, Maryland 20852-2738

INPO Records Center  
Institute of Nuclear Power Operations  
700 Galleria Parkway  
Atlanta, Georgia 30339-5957

Mr. James Lang, Manager  
Advanced Reactor Department  
Electric Power Research Institute  
3340 Hillview Avenue  
Palo Alto, California 94304

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

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

Ms. Barbara Lewis  
McGraw-Hill Companies  
1200 G Street, N.W.  
Suite 1100  
Washington, D.C. 20005-3802

ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

JANUARY 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  
JANUARY 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**

For the month of January, Unit 2 generated 854,110 megawatt hours gross electrical power and operated at a net capacity factor of 100.4 percent MDC. As of January 31, 2001, Unit 2 has operated continuously for 213 days.

**BROWNS FERRY NUCLEAR PLANT UNIT 3**

For the month of January, Unit 3 generated 852,950 megawatt hours gross electrical power and operated at a net capacity factor of 100.3 percent MDC. As of January 31, 2001, Unit 3 has operated continuously for 251 days.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: February 7, 2001

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

MONTH JANUARY 2001

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: February 7, 2001

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

MONTH January 2001

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1125	17.	1125
2.	1122	18.	1124
3.	1125	19.	1122
4.	1124	20.	1127
5.	1107	21.	1118
6.	1125	22.	1124
7.	1125	23.	1128
8.	1126	24.	1129
9.	1123	25.	1126
10.	1119	26.	1119
11.	1127	27.	1118
12.	1128	28.	1119
13.	1127	29.	1112
14.	1127	30.	1119
15.	1123	31.	1116
16.	1126		

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-296 UNIT NO. THREE DATE: February 7, 1999

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

MONTH January 2001

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1131	17.	1136
2.	1132	18.	1130
3.	1131	19.	1131
4.	1130	20.	1124
5.	1134	21.	1129
6.	1132	22.	1131
7.	1131	23.	1134
8.	1132	24.	1133
9.	1133	25.	1132
10.	1132	26.	1133
11.	1032	27.	1131
12.	1132	28.	1128
13.	1132	29.	1133
14.	1132	30.	1130
15.	1133	31.	819
16.	1133		

## OPERATING DATA REPORT

Docket No. 50-259  
 Date: February 7, 2001  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 1**  
 2. Reporting Period: **JANUARY 2001**  
 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: February 7, 2001  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 2**
2. Reporting Period: **JANUARY 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**

	<b><u>This Month</u></b>	<b><u>Yr-To-Date</u></b>	<b><u>Cumulative*</u></b>
11. Hours in Reporting Period	<u>744</u>	<u>744</u>	<u>175423</u>
12. Number of Hours Reactor was Critical	<u>744</u>	<u>744</u>	<u>133054</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0.0</u>	<u>44823</u>
14. Hours Generator On-Line	<u>744</u>	<u>744</u>	<u>130600</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2567930</u>	<u>2567930</u>	<u>397658812</u>
17. Gross Electric Energy Generated (MWh)	<u>854110</u>	<u>854110</u>	<u>132121908</u>
18. Net Electrical Energy Generated (MWh)	<u>835329</u>	<u>835329</u>	<u>128662236</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>74.4</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>74.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.4</u>	<u>100.4</u>	<u>68.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>100.2</u>	<u>100.2</u>	<u>68.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>11.7</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 May 24, 1991)**

## OPERATING DATA REPORT

Docket No. 50-296  
 Date: February 7, 2001  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

- 1. Unit Name: **BFN Unit 3**
- 2. Reporting Period: **JANUARY 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	744	744	118645
12. Number of Hours Reactor was Critical	744	744	88814
13. Reactor Reserve Shutdown Hours	0	0	31245
14. Hours Generator On-Line	744	744	87400
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWh)	2558338	2558338	272578057
17. Gross Electric Energy Generated (MWh)	852950	852950	90970180
18. Net Electrical Energy Generated (MWh)	834343	834343	87753778
19. Unit Service Factor	100.0	100.0	73.7
20. Unit Availability Factor	100.0	100.0	73.7
21. Unit Capacity Factor (Using MDC Net)	100.3	100.3	69.3
22. Unit Capacity Factor (Using DER Net)	100.1	100.1	69.2
23. Unit Forced Outage Rate	0.0	0.0	12.4

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: JANUARY 2001**

**DOCKET NO:** 50-259  
**UNIT NAME:** BFN-1  
**DATE:** February 7, 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	744	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: JANUARY 2001**

**DOCKET NO:** 50-260  
**UNIT NAME:** BFN-2  
**DATE:** February 7, 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
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: JANUARY 2001**

**DOCKET NO:** 50-296  
**UNIT NAME:** BFN-3  
**DATE:** February 7, 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	01/31/01	S	0	B	5	N/A	N/A	N/A	On January 31, 2001, at 1100 hours, Operators began to lower reactor power to 70 percent to support repair on a Unit 3-A1 moisture separator drain pump valve. The valve was leaking. Repairs on the valve were not completed; therefore, reactor power level remained at 70 percent at the end of this reporting period.

<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)**