



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

August 14, 2000

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

Gentlemen:

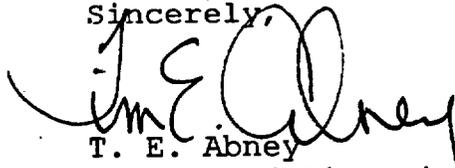
In the Matter of	)	Docket Nos. 50-259
Tennessee Valley Authority	)	50-260
		50-296

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

The enclosure provides the July 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

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U.S. Nuclear Regulatory Commission  
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August 14, 2000

Enclosure

cc (Enclosure):

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**ENCLOSURE**

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

**MONTHLY OPERATING REPORT**

**JULY 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  
JULY 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 July, Unit 2 generated 799,450 megawatt hours gross electrical power and operated at a net capacity factor of 93.9 percent MDC. On June 29, 2000, Unit 2 was manually shutdown to repair unidentified drywell leakage. Unit 2 was restarted on July 2, 2000. As of July 31, 2000, Unit 2 has operated continuously for 29 days.

**BROWNS FERRY NUCLEAR PLANT UNIT 3**

For the month of July, Unit 3 generated 831,660 megawatt hours gross electrical power with a net capacity factor of 97.7 percent MDC. As of July 31, 2000, Unit 3 has operated continuously for 67 days.

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-259 UNIT NO. ONE DATE: AUGUST 7, 2000

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

MONTH JULY 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: AUGUST 7, 2000

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

MONTH JULY 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	0	17.	1109
2.	754	18.	1107
3.	1059	19.	1090
4.	1104	20.	1084
5.	1102	21.	1062
6.	1100	22.	1102
7.	1099	23.	1105
8.	1094	24.	1104
9.	1089	25.	1114
10.	1099	26.	1098
11.	1085	27.	1109
12.	1065	28.	1092
13.	1127	29.	1097
14.	1092	30.	1099
15.	1130	31.	1101
16.	1090		

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50-296 UNIT NO. THREE DATE: AUGUST 7, 2000  
COMPLETED BY: J. E. Wallace TELEPHONE 256-729-7874  
MONTH JULY 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1111	17.	1102
2.	1102	18.	1109
3.	1100	19.	1088
4.	1090	20.	1082
5.	1108	21.	1061
6.	1092	22.	1072
7.	1108	23.	1041
8.	1089	24.	1066
9.	1088	25.	1098
10.	1100	26.	1097
11.	1085	27.	1105
12.	1064	28.	1095
13.	1126	29.	1090
14.	1093	30.	1093
15.	1126	31.	1092
16.	1088		

## OPERATING DATA REPORT

Docket No. 50-259  
 Date: August 7, 2000  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: BFN Unit 1  
 2. Reporting Period: JULY 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: August 7, 2000  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: BFN Unit 2  
 2. Reporting Period: JULY 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	744	5111	171006
12. Number of Hours Reactor was Critical	725	5060	128637
13. Reactor Reserve Shutdown Hours	24.5	56.4	44823
14. Hours Generator On-Line	719.5	5055	126183
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWh)	2464406	17415343	382513512
17. Gross Electric Energy Generated (MWh)	799450	5791060	127108248
18. Net Electrical Energy Generated (MWh)	781065	5665091	123758536
19. Unit Service Factor	96.7	98.9	73.8
20. Unit Availability Factor	96.7	98.9	73.8
21. Unit Capacity Factor (Using MDC Net)	93.9	99.1	67.7
22. Unit Capacity Factor (Using DER Net)	93.7	99.0	67.7
23. Unit Forced Outage Rate	3.3	1.1	12.1

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: August 7, 2000  
 Completed By: J. E. Wallace  
 Telephone: (256) 729-7874

1. Unit Name: BFN Unit 3  
 2. Reporting Period: JULY 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>744</u>	<u>5111</u>	<u>114228</u>
12. Number of Hours Reactor was Critical	<u>744</u>	<u>4656</u>	<u>84397</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>472</u>	<u>31245</u>
14. Hours Generator On-Line	<u>744</u>	<u>4639</u>	<u>82983</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2566116</u>	<u>15588269</u>	<u>257413729</u>
17. Gross Electric Energy Generated (MWh)	<u>831660</u>	<u>5141470</u>	<u>85949520</u>
18. Net Electrical Energy Generated (MWh)	<u>812643</u>	<u>5023189</u>	<u>82845251</u>
19. Unit Service Factor	<u>100.0</u>	<u>90.8</u>	<u>72.6</u>
20. Unit Availability Factor	<u>100.0</u>	<u>90.8</u>	<u>72.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.7</u>	<u>87.9</u>	<u>68.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.5</u>	<u>87.8</u>	<u>68.0</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>1.0</u>	<u>13.0</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: JULY 2000**

**DOCKET NO:** 50-259  
**UNIT NAME:** BFN-1  
**DATE:** August 7, 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	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: JULY 2000**

**DOCKET NO:** 50-260  
**UNIT NAME:** BFN-2  
**DATE:** August 7, 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
1	7/1/00	F	24.5	A	1	N/A	N/A	N/A	On June 29, 2000, at 1545 hours, Unit 2 was manually shutdown to repair unidentified drywell leakage. The unidentified leakage was below Technical Specification 3.4.4 allowable unidentified drywell leakage of 5.0 GPM; however, it was deemed prudent to repair the leakage source. Unit 2 was restarted on July 2, 2000 at 0025 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: JULY 2000**

**DOCKET NO:** 50-296  
**UNIT NAME:** BFN-3  
**DATE:** August 7, 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)**