



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

February 11, 2000

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

Gentlemen:

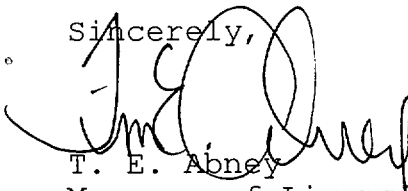
In the Matter of)	Docket Nos.	50-259
Tennessee Valley Authority)		50-260
			50-296

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

The enclosure provides the January 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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February 11, 2000

Enclosure

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

JANUARY 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
JANUARY 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 January, Unit 2 generated 865,750 megawatt hours gross electrical power and operated at a net capacity factor of 101.8 percent MDC. As of January 31, 2000, Unit 2 has operated continuously for 135 days.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of January, Unit 3 generated 855,010 megawatt hours gross electrical power with a net capacity factor of 100.5 percent MDC. As of January 31, 2000, Unit 3 has operated continuously for 473 days.

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH JAN. 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: FEB. 7, 2000

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

MONTH JAN. 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1145	17.	1151
2.	1126	18.	1152
3.	1148	19.	1150
4.	1145	20.	1152
5.	1145	21.	1151
6.	1145	22.	1142
7.	1144	23.	1141
8.	1140	24.	1142
9.	1141	25.	1142
10.	1138	26.	1141
11.	1153	27.	1142
12.	1151	28.	1078
13.	1152	29.	1016
14.	1150	30.	1126
15.	1150	31.	1135
16.	1152		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296 UNIT NO. THREE DATE: FEB. 7, 2000

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

MONTH JAN. 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1127	17.	1138
2.	1128	18.	1138
3.	1129	19.	1138
4.	1132	20.	1137
5.	1132	21.	1137
6.	1131	22.	1128
7.	1130	23.	1129
8.	1122	24.	1128
9.	1122	25.	1130
10.	1122	26.	1128
11.	1122	27.	1120
12.	1124	28.	1119
13.	1121	29.	1120
14.	1119	30.	1119
15.	1008	31.	1121
16.	1121		

OPERATING DATA REPORT

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

- 1. Unit Name: **BFN Unit 1**
- 2. Reporting Period: **JANUARY 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	0	0	95743
12. Number of Hours Reactor was Critical	0	0	59521
13. Reactor Reserve Shutdown Hours	0	0	6997
14. Hours Generator On-Line	0	0	58267
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWh)	0	0	168066787
17. Gross Electric Energy Generated (MWh)	0	0	55398130
18. Net Electrical Energy Generated (MWh)	0	0	53796427
19. Unit Service Factor	0	0	60.9
20. Unit Availability Factor	0	0	60.9
21. Unit Capacity Factor (Using MDC Net)	0	0	52.8
22. Unit Capacity Factor (Using DER Net)	0	0	52.8
23. Unit Forced Outage Rate	0	0	25.6

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

1. Unit Name: **BFN Unit 2**
2. Reporting Period: **JANUARY 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>744.0</u>	<u>744.0</u>	<u>166639</u>
12. Number of Hours Reactor was Critical	<u>744.0</u>	<u>744.0</u>	<u>124321</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>14200</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>744.0</u>	<u>121872</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2560647</u>	<u>2560647</u>	<u>367658815</u>
17. Gross Electric Energy Generated (MWh)	<u>865750</u>	<u>865750</u>	<u>122182938</u>
18. Net Electrical Energy Generated (MWh)	<u>846855</u>	<u>846855</u>	<u>118940300</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>73.1</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>73.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.8</u>	<u>101.8</u>	<u>66.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>101.6</u>	<u>101.6</u>	<u>66.9</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>12.4</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, 2000
 Completed By: J. E. Wallace
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 3**
2. Reporting Period: **JANUARY 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	744.0	744.0	109861
12. Number of Hours Reactor was Critical	744.0	744.0	80485
13. Reactor Reserve Shutdown Hours	0.0	0.0	8067
14. Hours Generator On-Line	744.0	744.0	79089
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2560817	2560817	244386277
17. Gross Electric Energy Generated (MWh)	855010	855010	81663060
18. Net Electrical Energy Generated (MWh)	835729	835729	78657792
19. Unit Service Factor	100.0	100.0	72.0
20. Unit Availability Factor	100.0	100.0	72.0
21. Unit Capacity Factor (Using MDC Net)	100.5	100.5	67.4
22. Unit Capacity Factor (Using DER Net)	100.3	100.3	67.4
23. Unit Forced Outage Rate	0.0	0.0	13.5

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 2000**

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: February 7, 2000
COMPLETED BY: J. E. Wallace
TELEPHONE: (256) 729-7874

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁴	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.

¹ **F: Forced**
S: Scheduled

² **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)

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

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

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

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: February 7, 2000
COMPLETED BY: J. E. Wallace
TELEPHONE: (256) 729-7874

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

¹ F: Forced
S: Scheduled

² 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)

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

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

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

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: February 7, 2000
COMPLETED BY: J. E. Wallace
TELEPHONE: (256) 729-7874

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

¹ **F: Forced**
S: Scheduled

² **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)

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

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