



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

July 13, 2000

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

Gentlemen:

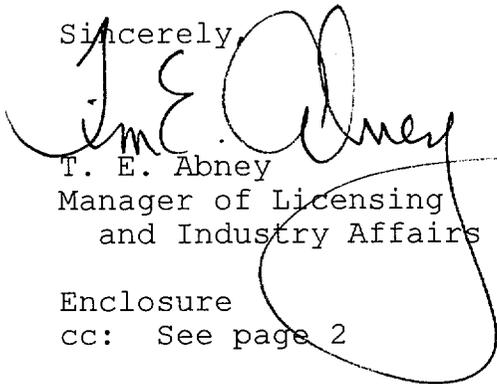
In the Matter of)	Docket Nos.	50-259
Tennessee Valley Authority)		50-260
			50-296

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

The enclosure provides the June 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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July 13, 2000

Enclosure

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

JUNE 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
JUNE 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 June, Unit 2 generated 779,260 megawatt hours gross electrical power and operated at a net capacity factor of 94.7 percent MDC. 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. As of June 30, 2000, Unit 2 remained shutdown to repair the drywell leakage.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of June, Unit 3 generated 814,870 megawatt hours gross electrical power with a net capacity factor of 99.0 percent MDC. As of June 30, 2000, Unit 3 has operated continuously for 36 days.

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH JUNE 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: JULY 7, 2000

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

MONTH JUNE 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1121	17.	1104
2.	1148	18.	1111
3.	1110	19.	1113
4.	1096	20.	1112
5.	1115	21.	1121
6.	1110	22.	1101
7.	1146	23.	1097
8.	1096	24.	1100
9.	1096	25.	1096
10.	1110	26.	1104
11.	1121	27.	1099
12.	1111	28.	1099
13.	1110	29.	695
14.	1108	30.	0
15.	1108		
16.	1115		

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH JUNE 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1118	17.	1106
2.	1144	18.	1109
3.	1110	19.	1109
4.	1095	20.	1111
5.	1113	21.	1119
6.	1108	22.	1098
7.	1112	23.	1093
8.	1111	24.	1096
9.	1110	25.	1094
10.	1115	26.	1099
11.	1109	27.	1094
12.	1111	28.	1100
13.	1106	29.	1102
14.	1108	30.	1093
15.	1102		
16.	1107		

OPERATING DATA REPORT

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

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

- 1. Unit Name: **BFN Unit 2**
- 2. Reporting Period: **JUNE 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>720.0</u>	<u>4367.0</u>	<u>170262</u>
12. Number of Hours Reactor was Critical	<u>688.0</u>	<u>4335.0</u>	<u>127912</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>14200</u>
14. Hours Generator On-Line	<u>688.0</u>	<u>4335.0</u>	<u>125463</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2375714</u>	<u>14950937</u>	<u>380049105</u>
17. Gross Electric Energy Generated (MWh)	<u>779260</u>	<u>4991610</u>	<u>126308798</u>
18. Net Electrical Energy Generated (MWh)	<u>762274</u>	<u>4884026</u>	<u>122977472</u>
19. Unit Service Factor	<u>95.6</u>	<u>99.3</u>	<u>73.7</u>
20. Unit Availability Factor	<u>95.6</u>	<u>99.3</u>	<u>73.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>94.7</u>	<u>100.0</u>	<u>67.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.5</u>	<u>99.9</u>	<u>67.6</u>
23. Unit Forced Outage Rate	<u>4.4</u>	<u>0.7</u>	<u>12.1</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: July 7, 2000
 Completed By: J. E. Wallace
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 3**
2. Reporting Period: **JUNE 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	720.0	4367.0	113484
12. Number of Hours Reactor was Critical	720.0	3912.0	83653
13. Reactor Reserve Shutdown Hours	0.0	0.0	8405
14. Hours Generator On-Line	720.0	3894.5	82239
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWh)	2488735	13022153	254847613
17. Gross Electric Energy Generated (MWh)	814870	4309810	85117860
18. Net Electrical Energy Generated (MWh)	796830	4210546	82032608
19. Unit Service Factor	100.0	89.2	72.5
20. Unit Availability Factor	100.0	89.2	72.5
21. Unit Capacity Factor (Using MDC Net)	99.0	86.2	67.9
22. Unit Capacity Factor (Using DER Net)	98.8	86.1	67.9
23. Unit Forced Outage Rate	0.0	1.2	13.1

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 November 19, 1995)**

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

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: July 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	720	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: JULY 2000**

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

No.	Date	Type	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	6/29/00	F	32.25	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. As of June 30, 2000, Unit 2 remained shutdown to repair the drywell leakage.

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: JUNE 2000**

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: July 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)**