



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

April 13, 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) - MARCH 2001 MONTHLY
OPERATING REPORT**

The enclosure provides the March 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,

A handwritten signature in cursive script, appearing to read "T. E. Abney".

T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosure
cc: See page 2

JE24

U.S. Nuclear Regulatory Commission
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Enclosure

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

MARCH 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
MARCH 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 March, Unit 2 generated 417,680 megawatt hours gross electrical power and operated at a net capacity factor of 48.8 percent MDC. Unit 2 began the month in coastdown for the Cycle 11 refueling outage. On March 18, 2001, at 0900 hours Unit 2 was manually scrammed to begin the refueling outage. Prior to shutdown the unit had operated continuously for 259 days. As of March 31, 2001, Unit 2 remains shutdown in the Cycle 11 refueling outage.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of March, Unit 3 generated 857,310 megawatt hours gross electrical power and operated at a net capacity factor of 100.8 percent MDC. As of March 31, 2001, Unit 3 has operated continuously for 310 days.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: April 6, 2001
COMPLETED BY: J. E. Wallace TELEPHONE 256-729-7874
MONTH March 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: April 6, 2001

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

MONTH March 2001

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1021	17.	915
2.	1014	18.	84
3.	1016	19.	0
4.	1038	20.	0
5.	991	21.	0
6.	1010	22.	0
7.	1004	23.	0
8.	996	24.	0
9.	993	25.	0
10.	991	26.	0
11.	986	27.	0
12.	984	28.	0
13.	991	29.	0
14.	985	30.	0
15.	976	31.	0
16.	938		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296 UNIT NO. THREE DATE: April 6, 2001

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

MONTH March 2001

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1132	17.	1128
2.	1128	18.	1129
3.	1014	19.	1132
4.	1132	20.	1129
5.	1131	21.	1133
6.	1130	22.	1129
7.	1127	23.	1133
8.	1134	24.	1132
9.	1131	25.	1132
10.	1132	26.	1132
11.	1131	27.	1132
12.	1130	28.	1130
13.	1131	29.	1131
14.	1131	30.	1126
15.	1130	31.	1130
16.	1137		

OPERATING DATA REPORT

Docket No. 50-259
 Date: April 6, 2001
 Completed By: J. E. Wallace
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 1**
2. Reporting Period: **MARCH 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: April 6, 2001
 Completed By: J. E. Wallace
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 2**
2. Reporting Period: **MARCH 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>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative*</u>
11. Hours in Reporting Period	<u>744</u>	<u>2160</u>	<u>176839</u>
12. Number of Hours Reactor was Critical	<u>417</u>	<u>1833</u>	<u>134143</u>
13. Reactor Reserve Shutdown Hours	<u>327</u>	<u>327</u>	<u>45150</u>
14. Hours Generator On-Line	<u>417</u>	<u>1833</u>	<u>131689</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>1286868</u>	<u>6132430</u>	<u>401223312</u>
17. Gross Electric Energy Generated (MWh)	<u>417680</u>	<u>2021870</u>	<u>133289668</u>
18. Net Electrical Energy Generated (MWh)	<u>405885</u>	<u>1973538</u>	<u>129800445</u>
19. Unit Service Factor	<u>56.0</u>	<u>84.9</u>	<u>74.5</u>
20. Unit Availability Factor	<u>56.0</u>	<u>84.9</u>	<u>74.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>48.8</u>	<u>81.7</u>	<u>68.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>48.7</u>	<u>81.6</u>	<u>68.6</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>11.6</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: **In accordance with Generic Letter 97-02, this information is no longer required by NRC.**

*** Excludes hours under Administrative Hold
 (June 1, 1985 to May 24, 1991)**

OPERATING DATA REPORT

Docket No. 50-296
 Date: April 6, 2001
 Completed By: J. E. Wallace
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 3**
2. Reporting Period: **MARCH 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>This Month</u>	<u>Yr-To-Date</u>	<u>Cumulative*</u>
11. Hours in Reporting Period	<u>744</u>	<u>2160</u>	<u>120061</u>
12. Number of Hours Reactor was Critical	<u>744</u>	<u>2160</u>	<u>90230</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>31245</u>
14. Hours Generator On-Line	<u>744</u>	<u>2160</u>	<u>88816</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2565694</u>	<u>7442510</u>	<u>277462230</u>
17. Gross Electric Energy Generated (MWh)	<u>857310</u>	<u>2487530</u>	<u>92604760</u>
18. Net Electrical Energy Generated (MWh)	<u>760642</u>	<u>2433520</u>	<u>89352955</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>74.0</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>74.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.8</u>	<u>100.8</u>	<u>69.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>100.6</u>	<u>100.6</u>	<u>69.6</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>12.3</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **In accordance with GenericLetter 97-02, this information is no longer required by NRC.**
25. If Shutdown at End of Report Period, Estimate Date of Startup: **In accordance with Generic Letter 97-02, this information is no longer required by NRC.**

* Excludes hours under Administrative Hold
 (June 1, 1985 to November 19, 1995)

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: MARCH 2001

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: April 6, 2001
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: MARCH 2001**

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: April 6, 2001
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	03/18/01	S	327	C	2	N/A	N/A	N/A	The Unit was manually scrammed at 0900 hours on March 18, 2001, to begin the Cycle 11 refueling outage.

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: MARCH 2001

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: April 6, 2001
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)