



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

June 14, 2000

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

Gentlemen:

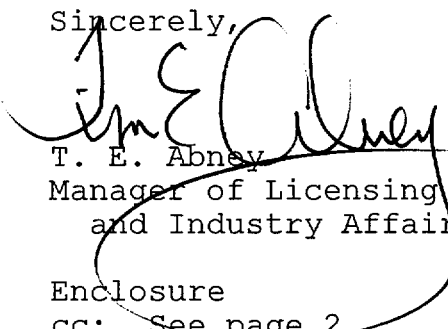
In the Matter of)	Docket Nos.	50-259
Tennessee Valley Authority)		50-260
			50-296

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

The enclosure provides the May 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

IE24

NRR-063

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

MAY 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
MAY 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 May, Unit 2 generated 849,600 megawatt hours gross electrical power and operated at a net capacity factor of 100.0 percent MDC. As of May 31, 2000, Unit 2 has operated continuously for 256 days.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of May, Unit 3 generated 680,710 megawatt hours gross electrical power with a net capacity factor of 79.9 percent MDC.

As the month of May began, Unit 3 was in its Cycle 9 refueling outage which began on April 15, 2000. On May 3, 2000, Unit 3 was restarted and power ascension began.

On May 24, 2000, at 1354 hours, Unit 3 scrambled due to indicated reactor low-water level during surveillance testing. The root cause for the scram was an inadequate procedure because the procedure did not contain the specific valving sequence to reduce the risk of inducing perturbations into a reactor instrument sensing line. The corrective action to preclude a recurrence of this event is to revise the instrument procedure to include specific valve sequencing steps. On May 25, 2000, at 2344 hours, the unit was tied to the grid and has operated continuously for six days.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: JUNE 5, 2000

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

MONTH MAY 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: JUNE 5, 2000
COMPLETED BY: J. E. Wallace TELEPHONE 256-729-7874
MONTH MAY 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	1130	17.	1112
2.	1123	18.	1109
3.	1112	19.	1115
4.	1096	20.	1117
5.	1129	21.	1118
6.	1133	22.	1115
7.	1035	23.	1118
8.	1130	24.	1119
9.	1132	25.	1119
10.	1129	26.	1115
11.	1126	27.	1120
12.	1129	28.	1120
13.	1127	29.	1118
14.	1127	30.	1118
15.	1119	31.	1122
16.	1118		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296 UNIT NO. THREE DATE: JUNE 5, 2000

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

MONTH MAY 2000

AVERAGE DAILY POWER LEVEL		AVERAGE DAILY POWER LEVEL	
DAY	(MWe-Net)	DAY	(MWe-Net)
1.	0	17.	1120
2.	0	18.	1118
3.	49	19.	1118
4.	286	20.	1121
5.	549	21.	1119
6.	933	22.	1119
7.	1050	23.	1117
8.	1127	24.	547
9.	1129	25.	95
10.	1128	26.	785
11.	1131	27.	1102
12.	1122	28.	1098
13.	1058	29.	1099
14.	1121	30.	1100
15.	1123	31.	1099
16.	1123		

OPERATING DATA REPORT

Docket No. 50-259
 Date: June 5, 2000
 Completed By: J. E. Wallace
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 1**
2. Reporting Period: **MAY 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: June 5, 2000
 Completed By: J. E. Wallace
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 2**
2. Reporting Period: **MAY 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>3647.0</u>	<u>169542</u>
12. Number of Hours Reactor was Critical	<u>744.0</u>	<u>3647.0</u>	<u>127224</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>3647.0</u>	<u>124775</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2568456</u>	<u>12575223</u>	<u>377673391</u>
17. Gross Electric Energy Generated (MWh)	<u>849600</u>	<u>4212350</u>	<u>125529538</u>
18. Net Electrical Energy Generated (MWh)	<u>831582</u>	<u>4121752</u>	<u>122215198</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>73.6</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>73.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>100.0</u>	<u>101.1</u>	<u>67.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.8</u>	<u>100.9</u>	<u>67.5</u>
23. Unit Forced Outage Rate	<u>0.0</u>	<u>0.0</u>	<u>12.2</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: June 5, 2000
 Completed By: J. E. Wallace
 Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 3**
2. Reporting Period: **MAY 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>3647.0</u>	<u>112764</u>
12. Number of Hours Reactor was Critical	<u>662.0</u>	<u>3193.0</u>	<u>82934</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>8337</u>
14. Hours Generator On-Line	<u>643.1</u>	<u>3174.5</u>	<u>81519</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWh)	<u>2079300</u>	<u>10533417</u>	<u>252358878</u>
17. Gross Electric Energy Generated (MWh)	<u>680710</u>	<u>3494940</u>	<u>84302990</u>
18. Net Electrical Energy Generated (MWh)	<u>664179</u>	<u>3413716</u>	<u>81235778</u>
19. Unit Service Factor	<u>86.4</u>	<u>87.0</u>	<u>72.3</u>
20. Unit Availability Factor	<u>86.4</u>	<u>87.0</u>	<u>72.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>79.9</u>	<u>83.7</u>	<u>67.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>79.7</u>	<u>83.6</u>	<u>67.7</u>
23. Unit Forced Outage Rate	<u>5.0</u>	<u>1.4</u>	<u>13.2</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: MAY 2000

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: June 5, 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: MAY 2000

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: June 5, 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: MAY 2000**

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: June 5, 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
4	5/24/00	F	33.83	B	3	296/2000-005	JC	LT	On May 24, 2000, at 1354 hours, Unit 3 scrammed due to indicated reactor low-water level during surveillance testing. The root cause for the scram was an inadequate procedure because the procedure did not contain the specific valving sequence to reduce the risk of inducing perturbations into its reactor instrument sensing line. The corrective action to preclude a recurrence is to revise the procedure to include specific valve sequencing steps. On May 25, 2000, at 2344 hours, the unit was tied to the grid.

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)