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

December 14, 1999

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) - NOVEMBER 1999 MONTHLY OPERATING REPORT

The enclosure provides the November 1999 Monthly Operating Report as required by BFN Technical Specifications Section 5.6.4.

If you have any questions concerning this matter, please call me at (256) 729-2636.

Sincerely,

T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosure
cc: See page 2

IE24

PDR ADOCK 05000259

Enclosure
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ENCLOSURE

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

NOVEMBER 1999

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
NOVEMBER 1999

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 November, Unit 2 generated 837,220 megawatt hours gross electrical power and operated at a net capacity factor of 101.7 percent MDC. As of November 30, 1999, Unit 2 has operated continuously for 73 days.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of November, Unit 3 generated 832,370 megawatt hours gross electrical power with a net capacity factor of 101.1 percent MDC. As of November 30, 1999, Unit 3 has operated continuously for 411 days.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259 UNIT NO. ONE DATE: DEC. 7, 1999

COMPLETED BY: J. W. Davenport TELEPHONE 256-729-2690

MONTH NOV. 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (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: DEC. 7, 1999

COMPLETED BY: J. W. Davenport TELEPHONE 256-729-2690

MONTH NOV. 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1135	17.	1137
2.	1138	18.	1135
3.	1138	19.	1139
4.	1133	20.	1133
5.	1142	21.	1141
6.	1137	22.	1137
7.	1136	23.	1136
8.	1136	24.	1138
9.	1136	25.	1138
10.	1136	26.	1140
11.	1142	27.	1138
12	1137	28.	1139
13.	1139	29.	1138
14.	1138	30.	1137
15.	1137		
16.	1139		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296 UNIT NO. THREE DATE: DEC. 7, 1999

COMPLETED BY: J. W. Davenport TELEPHONE 256-729-2690

MONTH NOV. 1999

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1127	17.	1137
2.	1133	18.	1137
3.	1133	19.	1131
4.	1134	20.	1134
5.	1132	21.	1134
6.	1131	22.	1140
7.	1130	23.	1140
8.	1126	24.	1137
9.	1134	25.	1138
10.	1124	26.	1139
11.	1131	27.	1139
12	1118	28.	1132
13.	1054	29.	1138
14.	1131	30.	1132
15.	1131		
16.	1135		

OPERATING DATA REPORT

Docket No. 50-259
Date: December 7, 1999
Completed By: J. W. Davenport
Telephone: (256) 729-2690

1. Unit Name: **BFN Unit 1**
2. Reporting Period: **November 1999**
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**

		This Month	Yr-To-Date	Cumulative*
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: December 7, 1999
Completed By: J. W. Davenport
Telephone: (256) 729-2690

1. Unit Name: **BFN Unit 2**
2. Reporting Period: **November 1999**
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**

		This Month	Yr-To-Date	Cumulative*
11.	Hours in Reporting Period	720.0	8016.0	165151
12.	Number of Hours Reactor was Critical	720.0	7291.0	122833
13.	Reactor Reserve Shutdown Hours	0.0	0.0	14200
14.	Hours Generator On-Line	720.0	7241.0	120384
15.	Unit Reserve Shutdown Hours	0.0	0.0	0
16.	Gross Thermal Energy Generated (MWh)	2488863.0	23987659	362564003
17.	Gross Electric Energy Generated (MWh)	837220.0	7940910	120463868
18.	Net Electrical Energy Generated (MWh)	818929.0	7751764	117258892
19.	Unit Service Factor	100.0	90.3	72.9
20.	Unit Availability Factor	100.0	90.3	72.9
21.	Unit Capacity Factor (Using MDC Net)	101.7	88.0	66.6
22.	Unit Capacity Factor (Using DER Net)	101.6	86.3	66.6
23.	Unit Forced Outage Rate	0.0	1.4	12.5

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 May 24, 1991)**

OPERATING DATA REPORT

Docket No. 50-296
Date: December 7, 1999
Completed By: J. W. Davenport
Telephone: (256) 729-2690

1. Unit Name: **BFN Unit 3**
2. Reporting Period: **November 1999**
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**

		This Month	Yr-To-Date	Cumulative*
11.	Hours in Reporting Period	720.0	8016.0	108373
12.	Number of Hours Reactor was Critical	720.0	8016.0	78997
13.	Reactor Reserve Shutdown Hours	0.0	0.0	7932
14.	Hours Generator On-Line	720.0	8016.0	77601
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWh)	2482668	27355094	239267761
17.	Gross Electric Energy Generated (MWh)	832370.0	9095580	79950850
18.	Net Electrical Energy Generated (MWh)	813858.0	8892360	76983835
19.	Unit Service Factor	100.0	100.0	71.6
20.	Unit Availability Factor	100.0	100.0	71.6
21.	Unit Capacity Factor (Using MDC Net)	101.1	99.2	66.9
22.	Unit Capacity Factor (Using DER Net)	100.9	99.0	66.9
23.	Unit Forced Outage Rate	0.0	0.0	13.8

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: NOVEMBER 1999

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: December 7, 1999
COMPLETED BY: J. W. Davenport
TELEPHONE: (256) 729-2690

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: NOVEMBER 1999

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: December 7, 1999
COMPLETED BY: J. W. Davenport
TELEPHONE: (256) 729-2690

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: NOVEMBER 1999

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: December 7, 1999
COMPLETED BY: J. W. Davenport
TELEPHONE: (256) 729-2690

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)