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

May 15, 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) - APRIL 2000 MONTHLY OPERATING REPORT

The enclosure provides the April 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

NRR-063

IE24

Enclosure
cc (Enclosure):
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ENCLOSURE

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT (BFN)

MONTHLY OPERATING REPORT

APRIL 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
APRIL 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 April, Unit 2 generated 831,270 megawatt hours gross electrical power and operated at a net capacity factor of 101.1 percent MDC. As of April 30, 2000, Unit 2 has operated continuously for 225 days.

BROWNS FERRY NUCLEAR PLANT UNIT 3

For the month of April, Unit 3 generated 338,280 megawatt hours gross electrical power with a net capacity factor of 41.0 percent MDC. Unit 3 operated continuously for 547 days before the reactor scrammed.

On April 15, 2000, at 1226 hours, the Unit scrammed 20.6 hours prior to the start of the Unit 3, Cycle 9 scheduled outage date. While performing maintenance on the 3B reactor feed pump (RFP), 3C RFP oil filter clogged causing the 3C pump flow to decrease and resulted in a reactor scram due to low reactor water level.

When the Unit 3 reactor scrammed, BFN commenced the Unit 3, Cycle 9 refueling outage. As of April 30, 2000, Unit 3 was in the outage for 371.6 hours.

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH APRIL 2000

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: MAY 5, 2000

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

MONTH APRIL 2000

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1082	17.	1130
2.	1103	18.	1134
3.	1128	19.	1128
4.	1137	20.	1128
5.	1132	21.	1128
6.	1130	22.	1132
7.	1133	23.	1136
8.	1133	24.	1133
9.	1134	25.	1132
10.	1129	26.	1134
11.	1129	27.	1133
12	1126	28.	1130
13.	1130	29.	1134
14.	1134	30.	1138
15.	1132		
16.	1128		

AVERAGE DAILY UNIT POWER LEVEL

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

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

MONTH APRIL 2000

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1.	1089	17.	0
2.	1039	18.	0
3.	1080	19.	0
4.	1078	20.	0
5.	1077	21.	0
6.	912	22.	0
7.	923	23.	0
8.	923	24.	0
9.	919	25.	0
10.	914	26.	0
11.	913	27.	0
12	910	28.	0
13.	874	29.	0
14.	889	30.	0
15.	237		
16.	0		

OPERATING DATA REPORT

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

1.	Unit Name:	**BFN Unit 1**
2.	Reporting Period:	**APRIL 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**

		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: May 5, 2000
Completed By: J. E. Wallace
Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 2**
2. Reporting Period: **APRIL 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**

		This Month	Yr-To-Date	Cumulative*
11.	Hours in Reporting Period	719.0	2903.0	168798
12.	Number of Hours Reactor was Critical	719.0	2903.0	126480
13.	Reactor Reserve Shutdown Hours	0.0	0.0	14200
14.	Hours Generator On-Line	719.0	2903.0	124031
15.	Unit Reserve Shutdown Hours	0.0	0.0	0
16.	Gross Thermal Energy Generated (MWh)	2479646	10006767	375104935
17.	Gross Electric Energy Generated (MWh)	831270	3362750	124679938
18.	Net Electrical Energy Generated (MWh)	812906	3290170	121383616
19.	Unit Service Factor	100.0	100.0	73.5
20.	Unit Availability Factor	100.0	100.0	73.5
21.	Unit Capacity Factor (Using MDC Net)	101.1	101.4	67.3
22.	Unit Capacity Factor (Using DER Net)	100.9	101.2	67.3
23.	Unit Forced Outage Rate	0.0	0.0	12.2

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: May 5, 2000
Completed By: J. E. Wallace
Telephone: (256) 729-7874

1. Unit Name: **BFN Unit 3**
2. Reporting Period: **APRIL 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**

		This Month	Yr-To-Date	Cumulative*
11.	Hours in Reporting Period	719.0	2903.0	112020
12.	Number of Hours Reactor was Critical	347.4	2531.4	82272
13.	Reactor Reserve Shutdown Hours	0.0	0.0	8270
14.	Hours Generator On-Line	347.4	2531.4	80877
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWh)	1029007	8454117	250279578
17.	Gross Electric Energy Generated (MWh)	338280	2814230	83622280
18.	Net Electrical Energy Generated (MWh)	329158	2749537	80571599
19.	Unit Service Factor	48.4	87.2	72.2
20.	Unit Availability Factor	48.4	87.2	72.2
21.	Unit Capacity Factor (Using MDC Net)	41.0	84.7	67.6
22.	Unit Capacity Factor (Using DER Net)	40.9	84.6	67.6
23.	Unit Forced Outage Rate	3.2	0.5	13.3

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: APRIL 2000

DOCKET NO: 50-259
UNIT NAME: BFN-1
DATE: May 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	719	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: APRIL 2000

DOCKET NO: 50-260
UNIT NAME: BFN-2
DATE: May 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: APRIL 2000

DOCKET NO: 50-296
UNIT NAME: BFN-3
DATE: May 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
2	4/15/00	F	20.6	A	3	296/2000-001	SJ	P	At 1226 hours, the Unit scrammed 20.6 hours prior to a scheduled outage. While performing maintenance on the 3B reactor feed pump (RFP), 3C RFP oil filter clogged causing the 3C pump flow to decrease and resulted in a reactor scram due to low reactor water level. Control oil filter delta-p indicators were installed and procedures were revised.
3	4/16/00	S	351.0	C	4				When the Unit 3 reactor scrammed (Event 2) BFN commenced the Unit 3, Cycle 9 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)**