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

JANUARY 14, 1997

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) - MONTHLY OPERATING REPORT FOR THE MONTH OF DECEMBER 1996

In accordance with the requirements of BFN Units 1, 2, and 3 Technical Specifications, Section 6.9.1.3, TVA is submitting the Monthly Operating Report for the month of December 1996 in the enclosure.

If you have any questions, please call me at (205) 729-2636.

Sincerely,

T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosure
cc: See page 2

Enclosure
cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT (BFN)
UNITS 1, 2, AND 3

MONTHLY OPERATING REPORT
DECEMBER 1996

(SEE ATTACHED)

OPERATIONAL SUMMARY
DECEMBER 1996

BROWNS FERRY 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 of zero MWe. Accordingly, TVA does not consider cumulative reporting period hours for the period beginning June 1, 1985, when calculating the operating status variables.

BROWNS FERRY 2

For the month of December, Unit 2 generated 814,840 megawatt hours gross electrical power and operated at a net capacity factor of 100.5 percent. As of December 31, 1996, Unit 2 has operated continuously for 59 days.

BROWNS FERRY 3

For the month of December, Unit 3 generated 793,150 megawatt hours gross electrical power and operated at a net capacity factor of 97.7 percent. As of December 31, 1996, Unit 3 has operated continuously for 106 days. It should be noted, that Unit 3 has begun its "coast down" for the cycle 7 refueling outage scheduled to begin on February 21, 1997.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-259
UNIT: BROWNS FERRY 1
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

MONTH DECEMBER 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	16	0
2	0	17	0
3	0	18	0
4	0	19	0
5	0	20	0
6	0	21	0
7	0	22	0
8	0	23	0
9	0	24	0
10	0	25	0
11	0	26	0
12	0	27	0
13	0	28	0
14	0	29	0
15	0	30	0
		31	0

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-260
UNIT: BROWNS FERRY 2
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

MONTH DECEMBER 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1081	16	1080
2	1084	17	1080
3	1081	18	1084
4	1082	19	1084
5	1083	20	1082
6	1081	21	1082
7	1083	22	1081
8	1078	23	1084
9	1085	24	1082
10	1087	25	1086
11	1080	26	805
12	1085	27	95
13	1083	28	1092
14	1082	29	1088
15	1082	30	1080
		31	1088

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-296
UNIT: BROWNS FERRY 3
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

MONTH DECEMBER 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	842	16	1067
2	1056	17	1066
3	1099	18	1061
4	1067	19	1061
5	1088	20	1056
6	1087	21	1050
7	1042	22	1044
8	1021	23	1043
9	1017	24	1037
10	1071	25	1035
11	1067	26	1029
12	1074	27	933
13	1076	28	1037
14	1063	29	1047
15	1063	30	957
		31	1014

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: DECEMBER 1996

DOCKET NO: 50-259
UNIT: BROWNS FERRY 1
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	License Event Report No.	System Code[4]	Component Code[4]	Cause and Corrective Action to Prevent Recurrence
1	06/01/85	S	744	F	4				Administrative hold to resolve various TVA and NRC concerns.

[1] F-Forced
S-Scheduled

[2] 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 Licensee Event Reports (NUREG-1022)

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: DECEMBER 1996

DOCKET NO: 50-260
UNIT: BROWNS FERRY 2
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	License Event Report No.	System Code[4]	Component Code[4]	Cause and Corrective Action to Prevent Recurrence
5	12/26/96	S	17	B	5	N/A	N/A	N/A	Power reduced to 70 percent for scheduled maintenance.

[1] F-Forced
S-Scheduled

[2] 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 Licensee Event Reports (NUREG-1022)

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: DECEMBER 1996

DOCKET NO: 50-296
UNIT: BROWNS FERRY 3
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	License Event Report No.	System Code[4]	Component Code[4]	Cause and Corrective Action to Prevent Recurrence
10	12/01/96	S	18	B	5	N/A	N/A	N/A	Power reduction for final feedwater reduction. Note: Unit 3 is in "coastdown" for the Cycle 7 Refueling Outage scheduled to begin on 02/21/97.

[1] F-Forced
S-Scheduled

[2] 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 Licensee Event Reports (NUREG-1022)

OPERATING DATA REPORT

DOCKET: 50-259
UNIT: BROWNS FERRY 1
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

OPERATING STATUS

1. Unit Name: **BROWNS FERRY UNIT 1**
2. Reporting Period: **DECEMBER 1996**
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 Ratings (Items Number 3 Through 7) Since Last Report, Give Reason: **N/A**
9. Power Level To Which Restricted, If Any (Net MWe): **0**
10. Reason For Restrictions, If Any: **Administrative Hold**

	THIS MONTH	YEAR TO DATE	CUMULATIVE*
11. Hours in Reporting Period	0	0	95743
12. 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 Generation (MWh)	0	0	168066787
17. Gross Electrical Generation (MWh)	0	0	55398130
18. Net Electrical Generation (MWh)	0	0	53796427
19. Unit Service Factor	0	0	60.9
20. Unit Availability Factor	0	0	60.9
21. Unit Capacity Factor (MDC Net)	0	0	52.8
22. Unit Capacity Factor (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 Shut Down At End Of Reporting Period, Estimated Date of Startup: **To Be Determined**

* Excludes hours under administrative hold (June 1, 1985 to present)

OPERATING DATA REPORT

DOCKET: 50-260
UNIT: BROWNS FERRY 2
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

OPERATING STATUS

1. Unit Name: **BROWNS FERRY UNIT 2**
2. Reporting Period: **DECEMBER 1996**
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): **1098.4**
7. Maximum Dependable Capacity (Net MWe): **1065**
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reason: **N/A**
9. Power Level To Which Restricted, If Any (Net MWe): **N/A**
10. Reason For Restrictions, If Any: **N/A**

	THIS MONTH	YEAR TO DATE	CUMULATIVE*
11. Hours in Reporting Period	744.0	8784.0	139615
12. Hours Reactor Was Critical	744.0	7870.0	98649
13. Reactor Reserve Shutdown Hours	0.0	0.0	14200
14. Hours Generator On Line	744.0	7795.0	96283
15. Unit Reserve Shutdown Hours	0.0	0.0	0
16. Gross Thermal Generation (MWh)	2415192.0	24846768	284187100
17. Gross Electrical Generation (MWh)	814840.0	8256050	94421368
18. Net Electrical Generation (MWh)	796236.0	8046294	91833165
19. Unit Service Factor	100.0	88.7	69.0
20. Unit Availability Factor	100.0	88.7	69.0
21. Unit Capacity Factor (MDC Net)	100.5	86.0	61.8
22. Unit Capacity Factor (DER net)	100.5	86.0	61.8
23. Unit Forced Outage Rate	0.0	2.8	15.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **N/A**

25. If Shut Down At End Of Reporting Period, Estimated Date of Startup: **N/A**

* Excludes hours under administrative hold (June 1, 1985 to May 24, 1991)

OPERATING DATA REPORT

DOCKET: 50-296
UNIT: BROWNS FERRY 3
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

OPERATING STATUS

1. Unit Name: **BROWNS FERRY UNIT 3**
2. Reporting Period: **DECEMBER 1996**
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): **1098.4**
7. Maximum Dependable Capacity (Net MWe): **1065**
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reason: **N/A**
9. Power Level To Which Restricted, If Any (Net MWe): **N/A**
10. Reason For Restrictions, If Any: **N/A**

	THIS MONTH	YEAR TO DATE	CUMULATIVE*
11. Hours in Reporting Period	744.0	8784.0	82837
12. Hours Reactor Was Critical	744.0	8459.2	54754
13. Reactor Reserve Shutdown Hours	0.0	0.0	5150
14. Hours Generator On Line	744.0	8414.1	53419
15. Unit Reserve Shutdown Hours	0.0	0.0	0
16. Gross Thermal Generation (Mwh)	2384856.0	26960376	161230657
17. Gross Electrical Generation (MWh)	793150.0	9025810	54024140
18. Net Electrical Generation (MWh)	774468.0	8803504	51682131
19. Unit Service Factor	100.0	95.8	64.5
20. Unit Availability Factor	100.0	95.8	64.5
21. Unit Capacity Factor (MDC Net)	97.7	94.1	58.6
22. Unit Capacity Factor (DER net)	97.7	94.1	58.6
23. Unit Forced Outage Rate	0.0	2.7	18.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): **Refueling Outage (U3C7), 2/21/97, 19.4 Days**

25. If Shut Down At End Of Reporting Period, Estimated Date of Startup: **N/A**

* Excludes hours under administrative hold (June 1, 1985 to November 19, 1995)