



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

February 14, 1996

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 JANUARY 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 January 1996 in the enclosure.

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

Sincerely,

Pedro Salas  
Manager of Site Licensing

Enclosure  
cc: See page 2

9603190339 960131  
PDR ADOCK 05000259  
R PDR

190036

*Rec'd 3/18/96  
DCD  
IFDA  
||*

U.S. Nuclear Regulatory Commission

Page 2

February 14, 1996

Enclosure

cc (Enclosure):

Mr. Mark S. Lesser, Branch Chief  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mr. Frederick J. Hebdon, Director  
Project Directorate II-4  
Division of Reactor Projects I-II  
Office of Nuclear Reactor  
Regulation, Mail 13 H3  
Washington, D.C. 20555

INPO Records Center  
Institute of Nuclear Power Operations  
700 Galleria Parkway  
Atlanta, Georgia 30339-5957

Mr. Jim Lang  
Director of Engineering and Operations  
Electric Power Research Institute  
P. O. Box 10412  
Palo Alto, California 94304

NRC Resident Inspector  
Browns Ferry Nuclear Plant  
10833 Shaw Road  
Athens, Alabama 35611

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mr. Fred Yost, Director of Research  
Utility Data Institute  
1200 G Street, NW  
Washington, D.C. 20005-3802

ENCLOSURE

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

MONTHLY OPERATING REPORT  
JANUARY 1996

---

(SEE ATTACHED)

OPERATIONAL SUMMARY  
JANUARY 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 0 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

During the month Unit 2 operated at a capacity factor of 99.6 percent and generated 805,270 megawatt hours gross electrical power. As of January 31, 1996, Unit 2 has operated continuously for 164 days.

BROWNS FERRY 3

During the month Unit 3 operated at a capacity factor of 101.3 percent and generated 821,390 megawatt hours gross electrical power. As of January 31, 1996, Unit 3 has operated continuously for 64 days.

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH JANUARY 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 JANUARY 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1083</u>	16	<u>1069</u>
2	<u>1081</u>	17	<u>1068</u>
3	<u>1083</u>	18	<u>1069</u>
4	<u>1084</u>	19	<u>1069</u>
5	<u>1077</u>	20	<u>1040</u>
6	<u>1073</u>	21	<u>820</u>
7	<u>1076</u>	22	<u>1049</u>
8	<u>1067</u>	23	<u>1063</u>
9	<u>1083</u>	24	<u>1065</u>
10	<u>1073</u>	25	<u>1069</u>
11	<u>1016</u>	26	<u>1057</u>
12	<u>966</u>	27	<u>1057</u>
13	<u>1081</u>	28	<u>1061</u>
14	<u>1073</u>	29	<u>1062</u>
15	<u>1089</u>	30	<u>1060</u>
		31	<u>1060</u>

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH JANUARY 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1075</u>	16	<u>1088</u>
2	<u>1096</u>	17	<u>1091</u>
3	<u>1084</u>	18	<u>1073</u>
4	<u>901</u>	19	<u>1094</u>
5	<u>1070</u>	20	<u>1085</u>
6	<u>1093</u>	21	<u>1086</u>
7	<u>1089</u>	22	<u>1093</u>
8	<u>1076</u>	23	<u>1091</u>
9	<u>1095</u>	24	<u>1078</u>
10	<u>1082</u>	25	<u>1078</u>
11	<u>1073</u>	26	<u>1099</u>
12	<u>1054</u>	27	<u>1082</u>
13	<u>1097</u>	28	<u>1084</u>
14	<u>1082</u>	29	<u>1091</u>
15	<u>1091</u>	30	<u>1080</u>
		31	<u>1079</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH: JANUARY 1996

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

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report No.	System Code <sup>4</sup>	Component Code <sup>4</sup>	Cause and Corrective Action to Prevent Recurrence
14	06/01/85	S	744	F	4				Administrative hold to resolve various TVA and NRC concerns.

<sup>1</sup>F-Forced  
 S-Scheduled

<sup>2</sup>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)

<sup>3</sup>Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continuation of Existing Outage  
 5-Reduction  
 9-Other

<sup>4</sup>Instructions for Preparation of Licensee Event Reports (NUREG-1022)

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH: JANUARY 1996

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

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report No.	System Code <sup>4</sup>	Component Code <sup>4</sup>	Cause and Corrective Action to Prevent Recurrence
N/A									

<sup>1</sup>F-Forced  
 S-Scheduled

<sup>2</sup>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)

<sup>3</sup>Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continuation of Existing Outage  
 5-Reduction  
 9-Other

<sup>4</sup>Instructions for Preparation of Licensee Event Reports (NUR 1022)

UNIT SHUTDOWNS AND POWER REDUCTIONS  
 REPORT MONTH: NOVEMBER 1996

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

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report No.	System Code <sup>4</sup>	Component Code <sup>4</sup>	Cause and Corrective Action to Prevent Recurrence
N/A									

<sup>1</sup>F-Forced  
 S-Scheduled

<sup>2</sup>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)

<sup>3</sup>Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continuation of Existing Outage  
 5-Reduction  
 9-Other

<sup>4</sup>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: **JANUARY 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): <b>N/A</b>			
25. If Shut Down At End Of Reporting Period, Estimated Date of Startup: <b>To Be Determined</b>			

\* 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: **JANUARY 1996**
3. Licensed Thermal Power (Mwt): **3293**
4. Nameplate Rating (Gross MWe): **1154**
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	744	131575
12. Hours Reactor Was Critical	744.0	744	91523
13. Reactor Reserve Shutdown Hours	0.0	0	14200
14. Hours Generator On Line	744.0	744	89232
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Generation (MWh)	2423568.0	2423568	261763900
17. Gross Electrical Generation (MWh)	805270.0	805270	86970588
18. Net Electrical Generation (MWh)	785846.0	785846	84572717
19. Unit Service Factor	100.0	100.0	67.8
20. Unit Availability Factor	100.0	100.0	67.8
21. Unit Capacity Factor (MDC Net)	96.2	96.2	60.4
22. Unit Capacity Factor (DER net)	96.2	96.2	60.4
23. Unit Forced Outage Rate	0.0	0.0	15.9
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<b>Refueling Outage, March 23, 1996, 30 days</b>		
25. If Shut Down At End Of Reporting Period, Estimated Date of Startup:	<b>N/A</b>		

\* 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: **JANUARY 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	744	74819
12. Hours Reactor Was Critical	744.0	744	47039
13. Reactor Reserve Shutdown Hours	0.0	0	5150
14. Hours Generator On Line	744.0	744	45749
15. Unit Reserve Shutdown Hours	0.0	0	0
16. Gross Thermal Generation (MWh)	2431344.0	2431344	136701625
17. Gross Electrical Generation (MWh)	821390.0	821390	45085580
18. Net Electrical Generation (MWh)	802281.0	802281	43680908
19. Unit Service Factor	100.0	100.0	61.1
20. Unit Availability Factor	100.0	100.0	61.1
21. Unit Capacity Factor (MDC Net)	101.3	101.3	54.8
22. Unit Capacity Factor (DER net)	101.3	101.3	54.8
23. Unit Forced Outage Rate	0.0	0.0	21.0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <b>N/A</b>			
25. If Shut Down At End Of Reporting Period, Estimated Date of Startup: <b>N/A</b>			

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